

CHESAPEAKE WATERSHED

COOPERATIVE
ECOSYSTEM STUDIES UNIT

Dan Filer
Research Coordinator
Chesapeake Watershed
CESU Network

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University of Maryland
CENTER FOR ENVIRONMENTAL SCIENCE
APPALACHIAN LABORATORY

Welcomed 12 New Members in the Spring!

1. **The Ecological Society of America**
2. **Park Rx America**
3. **Bowie State University**
4. **Maryland Institute College of Art**
5. **Morgan State University**
6. **St. Mary's College of Maryland**
7. **University of Maryland, Eastern Shore** (North Atlantic Coast CESU)
8. **Binghamton University**
9. **Ohio University** (Southern Appalachian CESU)
10. **Stroud Water Research Center**
11. **University of Pennsylvania** (Colorado Plateau CESU)
12. **Longwood University**

...and we are happy to announce that BOEM is joining the Chesapeake Watershed CESU!



CHWA CESU Activity in FY 2017

- 96 Financial Assistance Actions
 - 55 New Agreements
 - 41 Modifications
- Types of Projects
 - Cultural Resources – 56%
 - Natural Resources – 39%
 - Social Sciences – 5%
- Total Funds Obligated
 - \$5.5M
- Types of Projects
 - Technical Assistance Reports/Recommendations
 - Planning Documents (Historic Structure Reports, Natural Resource Condition Assessments, Archaeological Overview Documents, Cultural Landscape Inventories)
 - Internship Programs
 - Visitor Use Studies/Visitation Studies
 - Web/Training Design



Debuted our Bi-annual Newsletter which features:

1. Updates from the Coordinator

2. CESU Success Stories

3. Featured Partner Projects

Check out our new website with an Interactive Map:

<http://chwacesu.al.umces.edu/>

CHWA CESU NEWSLETTER

Special points of interest:

- Interview with Peter Newman, Department Head/ Professor for Recreation, Park, and Tourism Management at Penn State
- CHWA CESU Bog Turtle project

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We're on the web at
<http://chwacesu.al.umces.edu/>



Where Science Meets Stewardship

Volume 1, Issue 2

Spring 2018

CESU Success Stories: An Interview with Peter Newman

By Rhonda Schwinabart and Peter Newman

"What's cool about a CESU is the generational aspect: one professor working on a project, trains graduate students, who in turn become professors who train future students and so on," says Dr. Peter Newman, Department Head and Professor of Recreation, Park, and Tourism Management at Penn State University. Newman deeply understands that generational impact: His experience with the Cooperative Ecosystem Studies Unit (CESU) started as a graduate student at the University of Vermont and continues as a professor and graduate student advisor at Penn State University.

Newman has had a lifelong love of wilderness and an accompanying desire to learn more about how visitors interact with protected areas. As a child, he attended the Hidden Valley Summer Camp in Freedom, ME, and participated in programs like Outward Bound. Later as a college student at the University



Peter Newman in the field.

of Rochester, he worked as a Back Country Ranger with the U.S. Forest Service, where he learned a great deal from rangers in the field.

His first job out of college was with the Yosemite Institute, where he served as a naturalist, and where, through interactions with Yosemite park staff, he learned how a park worked, fostering a growing interest in park management. After com-

pleting a masters degree from SUNY College of Environmental Science and Forestry, and working in wilderness restoration as a ranger with the National Park Service, Newman met Dr. Robert Manning, a fortuitous meeting that would have a lasting impact on Newman's future and would lead to his involvement with the CESU.

Manning encouraged his interest in park-related research

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CHWA CESU Project Spotlight: NRCS Bog Turtle Study

By Tim Maret

Reptiles and amphibians are vulnerable to extinction worldwide, mostly due to anthropogenic impacts. The eastern United States is home to one such species of reptile that is no stranger to the threat of extinction. The bog turtle (*Glyptemys muhlenbergii*) is one

of the world's rarest and smallest turtles. Southeastern Pennsylvania has a large population of bog turtles and therefore has great potential for facilitating recovery.

Bog turtles are habitat specialists that rely on early successional,

emergent wetlands where sedges and low grasses dominate. Habitat destruction, fragmentation, and degradation threaten this species by eliminating wetlands and ways for turtles to travel between patches of suitable habitat making regional extir-

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Bill Dennison

Position: Vice President for Science Applications and Professor

Institution: [University of Maryland Center for Environmental Science Integration & Application Network](#)



Overview

Dr. Bill Dennison is a Professor of Marine Science and Vice President for Science Applications at the University of Maryland Center for Environmental Science (UMCES). Dr. Dennison's primary mission within UMCES is to coordinate the Integration and Application Network. The University of Maryland Center for Environmental Science is one of two research and service institutions in the 12-institution University System of Maryland. UMCES is comprised of three laboratories distributed across the watershed of Chesapeake Bay within Maryland: Appalachian Laboratory in Frostburg, Chesapeake Biological Laboratory on the western shore of Chesapeake Bay in Solomons and Horn Point Laboratory on the eastern shore of Chesapeake Bay near Cambridge as well as Maryland Sea Grant College in College Park, Maryland. UMCES also operates an Annapolis Liaison Office. Bill Dennison rejoined UMCES in 2002 following a ten year stint at the University of Queensland in Brisbane, Australia. He originally started at UMCES (then the Center for Environmental and Estuarine Science) in 1987 as a Postdoctorate/Research Assistant Professor based at Horn Point Laboratory. In Australia, Bill developed an active Marine Botany group at the University of Queensland with strong links to the Healthy Waterways Campaign for Moreton Bay. Bill obtained his academic training from Western Michigan University (B.A., Biology & Environmental Science), the University of Alaska (M.S., Biological Oceanography), The University of Chicago (Ph.D., Biology), and State University of New York at Stony Brook at Stony Brook (Postdoc, Coastal Marine Scholar).

Disciplines: Oceanography, Marine Biology, Botany

Research Interests: seagrass, nutrients, Chesapeake Bay, environmental synthesis, scientific integration, scientific application, nitrogen

[View CV](#)

Development of an Experts Database...

- Easy to maintain and update
- Searchable list of disciplines, research interests, and words in CV