

Re: New application for CW CESU requiring your approval

Subject: Re: New application for CW CESU requiring your approval

From: Tom_Fish@nps.gov

Date: Tue, 10 May 2011 15:08:30 -0400

To: "Robert H. Gardner" <gardner@umces.edu>

CC: Paulette Orndorff <orndorff@al.umces.edu>, Cheri_Yost@nps.gov, Tom_Fish@nps.gov

Hi, Bob.

First, I'd like to congratulate you and your colleagues on the successful determination by the CESU Council for renewal of the Chesapeake Watershed CESU for an additional 5-year term. A formal letter with additional information and documents from the Council is forthcoming.

Second, if you would like to proceed with the addition of new partners, we do have the opportunity to roll any new partners into the new master agreement. That said, we must get going on this ASAP, as the new five-year master agreement needs to be fully executed by 05 August 2011 (less than 90 days). We are already in the process of compiling the pertinent information to draft the new master agreement. We also need to allow for a review and comment period in advance of the 30-day (minimum) distribution of the new master agreement, requiring 100% representation of Chesapeake Watershed CESU partners for signature. This leaves us a window of approximately one week to start the amendment process. We can start this as soon as you say go.

Please let me know how you would like to proceed.

Cheers,
~Tom

Thomas E. Fish, Ph.D. | National Coordinator
Cooperative Ecosystem Studies Units Network
U.S. Department of the Interior, Main Building
1849 C Street NW, Room #2737 | Washington DC 20240
O 202.208.5972 | F 202.208.3060 | M 202.302.9482
Tom_Fish@nps.gov | www.cesu.org

"Robert H.
Gardner"
<gardner@umces.edu>
u>

02/18/2011 11:53
AM

To
slbeach@gmu.edu, Laura Bankey
<lbankey@aqua.org>, "Dr. Steven P.
Frysinger" <frysinsp@jmu.edu>,
David Pashley
<dpashley@abcbirds.org>, Dyremple
Marsh <dmarsh@desu.edu>, Thomas
Serfass <TSerfass@frostburg.edu>,
"Wm. Ritter" <writter@udel.edu>,
David Velinsky <velinsky@ansp.org>,
Daniel Cha <cha@ce.udel.edu>,
Robert Griffith
<bgriff@american.edu>, David
Doughty <doughty@cnu.edu>, George
Middendorf III
<gmiddendorf@howard.edu>, Andrea
Kimmel <akimmel@iup.edu>, Michael
Spencer <Mspenlbi@umw.edu>, Bernard

Re: New application for CW CESU requiring your approval

Cosby <B.J.Cosby@virginia.edu>,
"Zimmerman, Ephraim"
<EZimmerman@paconserve.org>

cc

Tom.Fish@nps.gov, Paulette Orndorff
<orndorff@al.umces.edu>

Subject

New application for CW CESU
requiring your approval

Dear CW CESU University Partners:

We continue to receive requests for universities to join the CW CESU. I've been holding these and only distributing twice a year in order to keep your review time to a minimum.

Currently there is only a single application: Anne Arundel Community College (see attached). Please review this application and let me know if you approve, require more information, or reject this application.

I would appreciate your response by 1 March 2011.

Regards,

Bob

--

Robert H. Gardner, Director
Appalachian Laboratory, UMCES
301 Braddock Rd.
Frostburg, MD 21532
<http://www.umces.edu/al/people/rgardner>
phone: 301 689 7125
email: gardner@al.umces.edu

[attachment "Anne Arundel Community College CESU Application 9-2010.pdf"
deleted by Tom Fish/WASO/NPS]

Subject: RE: AACC CESU application
From: "Bolton, Kathleen E." <kebolton@aacc.edu>
Date: Wed, 11 May 2011 10:09:23 -0400
To: "'gardner@umces.edu'" <gardner@umces.edu>
CC: Paulette Orndorff <orndorff@al.umces.edu>

Wonderful, thanks so much! Regards, Kathy

From: Robert H. Gardner [mailto:gardner@umces.edu]
Sent: Wednesday, May 11, 2011 9:33 AM
To: Bolton, Kathleen E.
Cc: Paulette Orndorff
Subject: Re: AACC CESU application

Dear Kathleen:

Your application has been approved by the partners and is now part of the CESU renewal documentation which will be distributed for final signatures in August.

Regards,

Bob

On 5/6/2011 4:21 PM, Bolton, Kathleen E. wrote:



this is aacc
Hello Paulette,

On behalf of Anne Arundel Community College, I am inquiring as to the status of the college's application to join the CW-CESU that was submitted in October 2010. You were kind enough to help us back in September. Please let us know if there are additional questions or information required.

Thanks again for your assistance with AACC's application. Regards, Kathy

Kathleen Bolton
Director of Sponsored Programs
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
(410) 777-2028
Fax: 410-777-4039

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From: Ailstock, Steve
Sent: Friday, September 17, 2010 12:13 PM
To: 'Paulette Orndorff'
Cc: Bolton, Kathleen E.; Davids, Eileen
Subject: RE: Application Submission to CESU
Attachments: Anne Arundel Community College CESU Application 9-2010.docx

Paulette, Here is the modified application. If you need any other information

please let me know. We appreciate your assistance with this application. Steve

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-----Original Message-----

From: Paulette Orndorff [<mailto:orndorff@al.umces.edu>]

Sent: Friday, September 17, 2010 11:52 AM

To: Ailstock, Steve

Subject: Re: Application Submission to CESU

Please make your changes and send us a new document.

Thank you very much,
Paulette

On 9/17/2010 11:41 AM, Ailstock, Steve wrote:

> The only changes are to page 13, the last three articles listed as in press have now been published in Restoration Ecology. Should we make these changes or will what we have work? Steve

> -----Original Message-----

> From: Paulette Orndorff [<mailto:orndorff@al.umces.edu>]

> Sent: Friday, September 17, 2010 11:07 AM

> To: Ailstock, Steve

> Cc: Robert H. Gardner

> Subject: Application Submission to CESU

>

> Dr. Ailstock,

>

> We are getting ready to submit applications to join the CW-CESU. We are holding your Anne Arundel Community College application until the submission date of October 1, 2010. Before we submit, would you like to update it or do you have any changes that need to be made?

>

> I am attaching the application you sent to us earlier for you to review. You may send an updated application directly to Dr. Gardner's email with a "cc" to me.

>

> Thank you,

>

> Paulette Orndorff

> UMCES Appalachian Laboratory

> CW CESU

> 301 Braddock Road

> Frostburg, MD 21532

> email: orndorff@al.umces.edu
>
> Dr. Robert H. Gardner, Director
> UMCES Appalachian Laboratory
> CW CESU
> 301 Braddock Road
> Frostburg, MD 21532
> email: gardner@umces.edu

--

Robert H. Gardner, Director
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phone: 301 689 7125
email: gardner@al.umces.edu



Subject: New application for CW CESU requiring your approval

From: "Robert H. Gardner" <gardner@umces.edu>

Date: Fri, 18 Feb 2011 11:53:25 -0500

To: slbeach@gmu.edu, Laura Bankey <lbkey@aqua.org>, "Dr. Steven P. Frysinger" <frysinsp@jmu.edu>, David Pashley <dpashley@abcbirds.org>, Dyremple Marsh <dmarsh@desu.edu>, Thomas Serfass <TSerfass@frostburg.edu>, "Wm. Ritter" <writer@udel.edu>, David Velinsky <velinsky@ansp.org>, Daniel Cha <cha@ce.udel.edu>, Robert Griffith <bgriff@american.edu>, David Doughty <doughty@cnu.edu>, George Middendorf III <gmiddendorf@howard.edu>, Andrea Kimmel <akimmel@iup.edu>, Michael Spencer <Mspen1bi@umw.edu>, Bernard Cosby <B.J.Cosby@virginia.edu>, "Zimmerman, Ephraim" <EZimmerman@paconserve.org>

CC: Tom_Fish@nps.gov, Paulette Orndorff <orndorff@al.umces.edu>

Dear CW CESU University Partners:

We continue to receive requests for universities to join the CW CESU. I've been holding these and only distributing twice a year in order to keep your review time to a minimum.

Currently there is only a single application: Anne Arundel Community College (see attached). Please review this application and let me know if you approve, require more information, or reject this application.

I would appreciate your response by 1 March 2011.

Regards,

Bob

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Robert H. Gardner, Director
Appalachian Laboratory, UMCES
301 Braddock Rd.
Frostburg, MD 21532
<http://www.umces.edu/al/people/rgardner>
phone: 301 689 7125
email: gardner@al.umces.edu

Anne Arundel Community College CESU Application 9-2010.pdf

Content-Type: application/pdf
Content-Encoding: base64

Subject: [Fwd: CESU application]
From: "Robert H. Gardner" <gardner@umces.edu>
Date: Thu, 15 Apr 2010 08:41:45 -0400
To: Paulette Orndorff <orndorff@al.umces.edu>

FYI

----- Original Message -----
Subject: CESU application
Date: Tue, 13 Apr 2010 15:01:42 -0400
From: Ailstock, Steve <smailstock@aacc.edu>
To: 'gardner@al.umces.edu' <gardner@al.umces.edu>
CC: Bolton, Kathleen E. <kebolton@aacc.edu>

Dr. Gardner, Please accept our application for inclusion as CESU. Several of our federal sponsors have encouraged us to apply. We have worked with faculty from several member schools and I believe our research activities over the years are consistent with the CESU designation. Please let me know if you need hard copies or any more information from us. I look forward to the review.

Best regards,

M. Stephen Ailstock Ph.D
Director, AACC Environmental Center
Anne Arundel Community College
101 College Parkway
Arnold, Maryland 21012

--
Robert H. Gardner, Director
Appalachian Laboratory
University of Maryland Center for Environmental Science
301 Braddock Road
Frostburg, MD 21532
wk: (301) 689.7125 fax: (301) 689.7200
www.al.umces.edu/people/faculty/bobgardner.htm

AACC CESU Application.pdf

Content-Type: application/pdf
Content-Encoding: base64

CW CESU Point of Contact for AACC

Stephen Ailstock, Ph.D.
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
Phone: 410-777-2230
Fax: 410-777-4012
smailstock@aacc.edu

Anne Arundel Community College & AACC's Environmental Center

Anne Arundel Community College (AACC) is a public, comprehensive, community-engaged institution of higher education. Founded in 1961 and fully accredited by the Middle States Commission on Higher Education since 1968, it is one of the oldest and largest of the sixteen community colleges serving the state of Maryland. Anne Arundel Community College offers transfer and career associate degree programs; certificate programs; credit courses; and continuing education, workforce development, and lifelong learning opportunities. Enrollment continues to grow at AACC with over 54,000 credit and non-credit students served in 2009.

Founded in 1980, AACC's Environmental Center supports the college's mission of education and lifelong learning by providing professional development opportunities for students, faculty, staff, and citizen volunteers. The center also serves the community through advice and lectures on environmental topics. The Environmental Center also conducts applied research projects designed to address environmental needs of local importance. These applied research project areas include:

- Wetlands restoration and enhancement;
- Water quality issues of monitoring and bioassays;
- Environmental problem solving such as shoreline stabilization, invasive weed control, effluent treatment and propagation of SAV;
- Habitat creation;
- Aquaculture;
- Mitigation;
- Regulatory compliance.

The projects of AACC's Environmental Center have been funded by a variety of federal agencies, state government, and regional businesses and industries. The implementation of projects has been made possible by including undergraduates in practical research and development. As an experienced and effective grant recipient, fiscal agent and administrative entity, AACC possesses the ability to administer, monitor and report performance outcomes to ensure achievement of the objectives of its sponsored projects.

*Anne Arundel Community College
Chesapeake Watershed Cooperative Ecosystems Studies Unit*

Since Maryland has been described as America in miniature because of its great diversity of natural resources, the type of environmental challenges confronting the people, government agencies, industries and civic organizations in Maryland are very similar to those confronting other areas of the country. Thus, through collaborative work with many sponsors, AACC's Environmental Center has worked to develop solutions to a variety of contemporary environmental problems throughout the north and southeastern United States.

Anne Arundel Community College Vision & Mission Statement

Anne Arundel Community College is a premier learning community whose students and graduates are among the best-prepared citizens and workers of the world. With learning as its central mission, Anne Arundel Community College responds to the needs of a diverse community by offering high quality, affordable, and accessible learning opportunities and is accountable to its stakeholders.

Consistent with the institutional mission and vision, AACC expects students to gain and demonstrate appropriate proficiency in core competencies which encompass general education and essential life skills. The college is committed to offering experiences that allow students to acquire, develop and demonstrate growth in these competencies. The attainment of these competencies provides the foundation for lifelong learning. College-Wide Core Competencies are: Communication; Technology Fluency; Information Literacy; Personal Wellness; Self Management; Scientific Reasoning; Quantitative Reasoning; Social and Civic Responsibility; Global Perspective; Innovation; and Critical Thinking.

What expertise can AACC contribute to the CW CESU consortium? How can AACC contribute to the CW CESU Mission and Vision?

Anne Arundel Community College is well positioned with the programs of its Environmental Center to contribute to the Chesapeake Watershed Cooperative Ecosystem Studies Unit's mission. The college and its Environmental Center embrace the philosophy and mission of the CW CESU for fostering stewardship of the watershed through collaborative research, technical assistance and education to advance integrated ecosystem management. Our research efforts document this commitment. We have partnered with numerous other universities and government research agencies to conduct over 135 funded projects through grants, donations, cooperative agreements and special contracts. [Please see *Attachment 1: List of Cooperative Research Partners & Funders.*]

Environmental Center faculty has published widely and has worked on interdisciplinary environmental projects in 12 other states. [Please see *Attachment 2: AACC Environmental Center: Selected Publications Since 1985.*] We have worked with numerous non-profit groups and civic organizations and have utilized over 5,000 community volunteers and students in various environmental restoration projects.

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Chesapeake Watershed Cooperative Ecosystems Studies Unit*

Four projects are illustrative of our approach and expertise. First, for more than twenty years, the college has partnered with the Providence Center, a work-to-learn facility for developmentally disabled adults to produce wetland plants in their greenhouse facilities. AACC students collect the plant propagation materials and process these materials to make them ready for planting. The clients of the Providence Center learn greenhouse skills and earn a stipend by planting and growing the wetland plants we need to conduct large-scale environmental restorations. These plants have been used to create extensive tidal wetlands for shoreline protection, tidal wetlands to stabilize newly created dredge spoil islands, wetlands to protect the integrity of Native American burial grounds, non-tidal wetlands for industrial effluent treatment, rain gardens on educational properties and wetlands for storm-water management. Partners in these projects include government agencies, businesses, citizen volunteers, school groups, non-profit groups, and college students from five states. These projects have all met their environmental objectives, provided excellent training to a wide variety of professionals and many were made possible because of the low costs that can be achieved through careful collaboration.

In a second series of projects, the college has devised for the first time a methodology to harvest, process, store, and test seeds of the four dominant species of mesohaline underwater plants in order to develop seed mixes for the restoration of these underwater habitats. In the course of this work, the information has been shared internationally and is being used by scientists in 5 states to develop similar protocols for ecotypes native to their environments. Excess seeds have been used to support educational programs with other universities, secondary schools and with non-profit and government agencies.

As a third example, the college has worked with a local high school to assist that school in becoming the Signature School for Environmental Literacy. We proposed an intellectual framework that would allow each department at the school to infuse Environmental Literacy into its curricula, and the entire school to conduct a complete environmental audit that will allow them to identify and implement better environmental stewardship practices for all aspects of school life. This proposal was accepted by the school and has been approved by both the county and state boards of education. There has been a consensus throughout the process that this framework will be applicable to other schools including elementary and middle schools and may contribute to the adoption of an Environmental Literacy component at the state level.

As a final example, AACC is responding to current and emerging needs for environmental technicians. Environmental technology is “a career field that applies the principles of mathematics, science, engineering, communications, and economics to ensure human health and safety, and to manage and protect natural resources. This career field involves the management, conservation, and protection of the natural environment and resources through regulatory compliance while promoting sustainability.”¹ Typically technicians complete a two-year associate degree in an applied technology program. The college is leading the Chesapeake Area Consortium for Higher Education (CACHE) Institute for Environmental Careers, a consortium of community colleges (Chesapeake College, College of Southern Maryland and Wor-Wic Community College) that surround the Chesapeake Bay, in an effort to meet this region’s need

¹ Defining Environmental Technology. Advanced Technology Environmental and Energy Center. National Science Foundation. 2008.

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for environmental jobs. CACHE has just received a \$1 million grant from the United States Department of Labor to establish programming and train workers in the following pathways: Restoration of Natural Resources; Environmental Monitoring; Environmental Planning; Environmental Management; Environmental Technology; and Environmental Energy Technology.

Who are the individuals in your program that you anticipate will be active in CW CESU projects?

The following AACC faculty members [Please see *Attachment 3: AACC Environmental Center: Curriculum Vitas*] are anticipated to be active in CW CESU projects:

- Stephen Ailstock, Ph.D.
- Paul J. Bushmann, Ph.D.
- Sally G. Hornor, Ph.D.
- Susan R. Lamont, Ph.D.
- Jessamy Judith Rango, Ph.D.
- Benjamin Weibell, Ph.D.

***Attachment 1:
List of Cooperative Research Partners & Funders***

Anne Arundel Community College Environmental Center

List of Cooperative Research Partners

ACOE, Engineer Research and Development Center Vicksburg MS

Maryland Department of Natural Resources

ACOE, Jacksonville NC District

University of Maryland College Park

University of Maryland Center for environmental Science Horn Point Laboratory,

University of Maryland Center for environmental Science Appalachian Laboratory

Virginia Institute of Marine Science

National Oceanic and Atmospheric Administration

US Naval Academy

Florida Marine Fisheries

Cornell University

Freshwater Institute, Shepherdstown, WV

USDA-National Plant Materials Center

University of Maryland, Wye Research and Education Center

West Virginia University

East Carolina University

North Carolina Biotechnology Center

Florida Atlantic University

Mississippi –Alabama Sea Grant Consortium

*Anne Arundel Community College
Chesapeake Watershed Cooperative Ecosystems Studies Unit*

*Anne Arundel Community College Environmental Center
Project Funders*

AA Co. Office of Planning and Zoning
ACOE, Engineer Research and
Development Center Vicksburg MS
Alliance for the Chesapeake Bay
Annapolis Environmental Commission
Anne Arundel County
Battelle Memorial Institute
Brookes Baker, Inc.
Chesapeake Bay Foundation
Chesapeake Bay Research and Monitoring
Division, MD Department of Natural
Resources
Chesapeake Bay Trust
Chesapeake Division, Naval Facilities
Engineering Command, Dept of Navy
Coastal Resources Div. MD DNR
Columbia Gas System Service Corp.
Columbia LNG Corp.
Cove Point Natural Heritage Trust &
Williams Company then Cove Point LNG
Limited Partnership
Cove Point Natural Heritage Trust
Dept. of Public Works, AA County
Dewberry and Davis. Annapolis
District of Columbia, Dept of Consumer
and Regulatory Affairs
MD Department of Natural Resources -
Forest, Park and Wildlife Service
Dr. Paul Evans
Engineering Field Activity-Chesapeake,
NAVFAC Washington
EPA - Johns Hopkins Applied Physics Lab
Freshwater Institute, Shepherdstown, WV
Gibson Island Corporation
Horn Point Laboratory, University of
Maryland
International Paper
Lenwood Hall, Wye Research & Education
Center
MAR, Inc. and NUSC, New London, Conn
Maryland Correctional Enterprises

Maryland Port Administration
MD DNR
MD DNR Tidewater Administration
MD State Highway Admin and Biohabitats
National Science Foundation
Nevamar Corporation, Odenton, MD
NOAA
Regional Planning Council, Baltimore
Reliable Contracting Co., Inc. Millersville
Rummel, Kleper & Kahn
Severn River Association
Magothy River Communities
South River Federation
Severn River communities
Tudor Farms Investment Corp., Dorchester
Co., MD
University of Maryland Center for
Environmental and Estuarine Studies -
Chesapeake Biological Laboratory
US Dept. of Labor
US Fish and Wildlife Service
US Fish and Wildlife Service-Patuxent
Wildlife Research Center
US Navy Naval Facilities Engineering
Command Washington
USDA-NRCS-National Plant Materials
Center
Washington Suburban Sanitary Commission
Waterfowl Festival Inc., Easton, MD
William H. Meyers, Jr. Plimhimmon Farm

Individual Philanthropic Donations to
Environmental Center:

The August (Gus) Berlitz and Marjorie
Berlitz Charitable Trust - \$500,000 -
laboratory

William K. Blanchet - 800 shares of
Technology stock

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***Attachment 2:
AACCC Environmental Center
Selected Publications Since 1985***

Anne Arundel Community College
Chesapeake Watershed Cooperative Ecosystems Studies Unit

Selected Environmental Center Publications since 1985

Title	Date	Author	Publication
The in vitro Propagation of Seaside Goldenrod <i>Solidago sempervirens</i>	1985	Ailstock, M. S.	Proceedings 12th Annual Conference on the Creation and Restoration of Wetlands. 1985, pp. 28-36.
Clonal Propagation of <i>Potamogeton pectinatus</i> in Axenic Culture	1986	Ailstock, M. S.	Proceedings of the 13th Annual Conference on Wetlands Restoration and Creation FL May 15-16, 1986
SAV Life Cycles	1986	Ailstock, M. S.	for MD DNR
A Review of Beach Prisms: Their Application for Wetlands Creation under Moderate to High Energy Conditions	1987	Ailstock, M. S.	Proceedings of the 14th Annual Conference on Wetlands Restoration and Creation FL May 14-15, 1987
Bioassay for Phytotoxicity of Toxicants to Sago Pondweed	1988	Fleming, W.J., Ailstock, M.S., and Momot, J.J.	Understanding the Estuary: Advances in Chesapeake Bay Research> Proceedings of a Conference. 29-31 March 1988. Baltimore, MD. Chesapeake Research Consortium Publication 129. CBP/TRS 24/88
Shoreline stabilization on Navy property	1989	Berc, Jeri and S. Ailstock	Journal of Soil and Water Conservation 44(6):560-561
Environmental Impacts, Treatment Methodologies and Management Criteria for Establishment of a Statewide Policy for the Control of the Marsh Plant <i>Phragmites</i> Year One	1989	Ailstock, T.W. Suman, and D. H. Williams	Maryland Department of Natural Resources, Tidewater Administration
Environmental Impacts, Treatment Methodologies and Management Criteria for Establishment of a Statewide Policy for the Control of the Marsh Plant <i>Phragmites</i> Year Two	1990	Ailstock, T.W. Suman, and D. H. Williams	Maryland Department of Natural Resources, Tidewater Administration
The Characterization of Axenic Culture Systems Suitable for Plant Propagation and Experimental Studies of the Submersed Aquatic Angiosperm <i>Potamogeton pectinatus</i> (sago pondweed)	1991	Ailstock, M. S., W. James Fleming, and Todd J. Cooke	Estuaries Vol. 14 (1): 57-64
Response of Sago Pondweed, a Submerged Aquatic Macrophyte, to Herbicides in Three Laboratory Culture Systems	1991	Fleming, W.J., Ailstock, M.S., Momot, J.J. and C. M. Norman	Plants for Toxicity Assessment: Second Volume, ASTM STP 1115

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Title	Date	Author	Publication
Management Strategies for Urban Stormwater Improvement - District of Columbia Oxon Run, 13th -22nd Street	1991	Ailstock and Hornor	Water Quality Research Grant No. 89-90 SRB Oxon 02/CBP #X-003734-02-Oxon Run Stormwater Management Demonstration project
Environmental impacts, treatment methodologies and management criteria for establishment of a statewide policy for the control of the marsh plant <i>Phragmites</i> Final Report	1991	Ailstock, T. W. Suman, and D. H. Williams	Maryland Department of Natural Resources, Tidewater Administration
Abstract - Alternatives to Aerial Herbicide Application for Control of <i>Phragmites australis</i> in Nontidal Wetlands	1992	Ailstock	Proceedings of the Forth-sixth Annual Meeting of the Northeastern Weed Science Society Supplement. 1992. Boston, Massachusetts.
Regulation, Methods and Management Strategies for the Control of <i>Phragmites australis</i> in Maryland Nontidal Wetlands	1992	Ailstock	Proceedings of the Forth-sixth Annual Meeting of the Northeastern Weed Science Society Supplement. 1992. Boston, Massachusetts.
Relative Toxicities of Herbicides to Sago Pondweed	1994	Fleming, W. J., Ailstock, M.S., and Momot, J.J.	Research Information Bulletin, National Biological Survey Number 62.
Social control of male sexual maturation in the swordtail characin, <i>Corynopoma riisei</i>	1994	Bushmann, Paul J. and J.R. Burns	Journal of Fish Biology 44:263-272
Greenbury Point: The Interplay of History and Ecology	1995	Feldman, Gregory and M. Stephen Ailstock	Maryland Historical Magazine, Vol.90, No.2, Summer 1995
Net photosynthesis and respiration of sago pondweed (<i>Potamogeton pectinatus</i>) exposed to herbicides	1995	Fleming, W. J., Ailstock, M.S., and Momot, J.J.	Environmental Toxicology and Risk Assessment: Third Volume ASTM STP1218
Resuspension of Sediments by Watercraft Operated in shallow Water Habitats of Anne Arundel County, Maryland	1995	Ailstock, Hornor, Norman, Davids	Chesapeake Bay Trust

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Title	Date	Author	Publication
Influence of salinity on the toxicity of atrazine to Chesapeake Bay fish, invertebrates, and aquatic macrophytes.	1995	Hall, L. W., R.D. Anderson, A.C. Ziegenfuss, D.T. Tierney, and S. Ailstock.	Abstracts of 16th Annual meeting of the Society of Environmental Toxicology and Chemistry, Vancouver, BC, Canada. pp. 133-134.
Chronic Toxicity of Atrazine to Sago Pondweed at a Range of Salinities: Implications for Criteria Development and Ecological Risk	1997	Hall, L. W. Jr., R. D. Anderson, M. S. Ailstock	Arch. Environ. Contam. Toxicol. 33, 261-267 (1997)
Correlation of measures of ambient toxicity and fish community diversity in Chesapeake Bay, USA, tributaries - urbanizing watersheds	1997	Hartwell, S.I., Dawson, C., Durell, EQ., Alden, R.W., Adolphson, P.C., Wright, D.A., Coelho, G.M., Magee, J.A., Ailstock, S., and Norman, M.	Environmental Toxicity and Chemistry, Vol. 16 (12):2556-2567
Standard Operating Procedures For Conducting Sub-chronic Aquatic Toxicity Tests With Sago Pondweed <i>Potamogeton pectinatus</i> : A Submersed Aquatic Angiosperm	1998	Hall, L. W. Jr., M. S. Ailstock and R. D. Anderson	EPA 903-R-98-022 CBP/TRS 215/98 Oct. 1998
The Influence of Salinity on the Chronic Toxicity of Atrazine to Sago Pondweed: Filling a Data Need for Development of an Estuarine Chronic Condition	1998	L. W. Hall, Jr., Ailstock and R.D. Anderson.	EPA Chesapeake Bay Program CBP/TRS 98/213
Concurrent Signals and Behavioral Plasticity in Blue Crab (<i>Callinectes sapidus</i> Rathbun) Courtship	1999	Bushmann, Paul J.	Biol. Bull. 197:63-71
Adaptive Strategies of Common Reed <i>Phragmites australis</i>	2000	Ailstock, M. S.	Proceedings: The Role of <i>Phragmites</i> in the Mid-Atlantic Region April 17, 2000. Chesapeake Bay National Estuarine Research Reserve in Maryland, MDNR.

*Anne Arundel Community College
Chesapeake Watershed Cooperative Ecosystems Studies Unit*

Title	Date	Author	Publication
Adaptive Strategies of Common Reed <i>Phragmites australis</i> - Abstract	2000	Ailstock, M. S.	Proceedings: The Role of <i>Phragmites</i> in the Mid-Atlantic Region April 17, 2000. Chesapeake Bay National Estuarine Research Reserve in Maryland, MDNR.
Control of Invasive Species on DoD Installations	2000	Ailstock, M. S.	'Taking Invasive Action', Wildlife Habitat Council 12 th Annual Symposium Wildlife: Focusing on the Basics, Baltimore, MD
Chapter VI Beyond Light: Physical, Geological and Chemical Habitat Requirements	2000	Evamaria Koch, J. Court Stevenson, and Ailstock	In: Chesapeake Bay Submerged Aquatic Vegetation Water Quality and Habitat-Based Requirements and Restoration Synthesis Targets: A Second Technical Synthesis
Nuisance Invasive Species: Control Strategies at DoD Facilities	2001	Ailstock, M. S.	handout
Common Reed <i>Phragmites australis</i> : Control and Effects Upon Biodiversity in Freshwater Nontidal Wetlands	2001	Ailstock, M. Stephen; C. M. Norman and Paul J. Bushmann	Restoration Ecology Vol. 9 (1):49-59
Abundance and Population Structure of Fishes in Cove Point Marsh 1999-2001	2001	Bushmann, Paul J.	Report - Cove Point Natural Heritage Trust
Resuspension of Sediments by Watercraft Operated in shallow Water Habitats of Anne Arundel County, Maryland	2002	Ailstock, Homor, Norman, Davids	2002 Journal of Coastal Research SI 37:18-32.
Summary of Common Questions Concerning <i>Phragmites</i> Control	2002	Ailstock, M. S.	
Helicopter Application of Herbicides to Restore Wetland Biodiversity in Highly Sensitive Areas- Abstract	2004	Ailstock, M. S. and Patsy Kerr	First National Conference on Ecosystem Restoration – Sustainable Ecosystem Restoration Through Integration of Science, Planning and Policy. Orlando, FL Dec. 6-10, 2004.

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Title	Date	Author	Publication
Restoration Potential of <i>Ruppia maritima</i> and <i>Potamogeton perfoliatus</i> by Seed in the Mid-Chesapeake Bay	2004	Ailstock, Steve and Deborah Shafer	ERDC/TN EL-04-02
Helicopter Application of Herbicides to Restore Wetland Biodiversity on DOD Installations in the Chesapeake Bay Watershed-Abstract	2006	Ailstock, M. S. and Patsy Kerr	
Year 1: A comparison of reproductive success in seed yields from natural and cultured populations for the success in large-scale restoration and Year 2: A comparison of reproductive success in seed yields from natural and cultured populations of <i>P. perfoliatus</i> and <i>R. maritima</i> for applications in large-scale restoration in Eastern Bay	2006	Ailstock, M. S. and Judy Wink	Final Report to National Oceanic and Atmospheric Administration Grant NA03NMF4570472
Applications and Limitations of Micropropagation for the Production of Underwater Grasses	2006	Ailstock, Steve and Deborah Shafer	ERDC/TN SAV-06-1
Protocol for Large-Scale Collection, Processing, and Storage of Seeds of Two Mesohaline Submerged Aquatic Plant Species	2006	Ailstock, Steve and Deborah Shafer	ERDC/TN SAV-06-3
Antibacterial compounds in estuarine submersed aquatic plants A Multi-year Survey of Horseshoe Crab (<i>Limulus polyphemus</i>) Spawning at Cove Point, Maryland	2006	Bushmann, P. J. and Ailstock, M. S.	Journal of Experimental Marine Biology and Ecology 331:41-50
	2008	Bushmann, Paul J.	Report - Cove Point Natural Heritage Trust
Effects of planting depth, sediment grain size, and nutrients on <i>Ruppia maritima</i> and <i>Potamogeton perfoliatus</i> seedling emergence and growth	2010	Ailstock, Steve, Deborah Shafer and Dale Magoun	Restoration Ecology Vol. 18, No. 4, pp. 574-583 SI
Protocols for use of <i>Potamogeton perfoliatus</i> and <i>Ruppia maritima</i> seeds in large-scale restoration	2010	Ailstock, Steve, Deborah Shafer and Dale Magoun	Restoration Ecology Vol. 18, No. 4, pp. 560-573SI
The role of currents and waves in the dispersal of submersed angiosperm seeds and seedlings in Chesapeake Bay.	2010	Koch, E., Ailstock, M. S., Booth, D. M., Shafer, D. and Dale Magoun	Restoration Ecology Vol. 18, No. 4, pp. 584-595 SI

***Attachment 3:
AACC Environmental Center: Curriculum Vitas***