

**CHESAPEAKE WATERSHED  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT FIVE TO  
COOPERATIVE and JOINT VENTURE AGREEMENT**

between

**U.S. DEPARTMENT OF THE INTERIOR  
Bureau of Land Management  
U.S. Fish and Wildlife Service  
U.S. Geological Survey  
National Park Service**

**U.S. DEPARTMENT OF AGRICULTURE  
U.S. Forest Service  
Natural Resources Conservation Service**

**U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration**

**U.S. DEPARTMENT OF DEFENSE  
U.S. Army Corps of Engineers – Civil Works  
Office of the Assistant Secretary of Defense for  
Energy, Installations, and Environment**

and

**THE UNIVERSITY SYSTEM OF MARYLAND (HOST)  
University of Maryland Center for Environmental Science  
University of Maryland, College Park  
University of Maryland, Baltimore County  
Frostburg State University**

**American University  
Anne Arundel Community College  
Christopher Newport University  
College of William and Mary  
Delaware State University  
Garrett College  
George Mason University  
George Washington University  
Howard University**

**Indiana University of Pennsylvania  
James Madison University  
The Pennsylvania State University  
Shippensburg University  
University of Delaware  
University of the District of Columbia  
University of Mary Washington  
University of Richmond  
University of Virginia  
Virginia Commonwealth University  
Virginia Institute of Marine Science  
The Academy of Natural Sciences  
American Bird Conservancy  
National Aquarium  
Virginia Department of Conservation and Recreation  
Western Pennsylvania Conservancy  
Shepherd University  
Virginia Polytechnic Institute and State University  
Binghamton University  
Bowie State University  
Ecological Society of America  
Longwood University  
Maryland Institute College of Art  
Morgan State University  
Ohio University  
Park Rx America  
St. Mary's College of Maryland  
Stroud Water Research Center  
University of Maryland Eastern Shore  
University of Pennsylvania**

**Adding:**

**Association for the Study of African American Life and History  
Bryn Mawr College  
DC Department of Energy and Environment  
Hood College  
Lock Haven University  
Mansfield University  
Old Dominion University  
Smithsonian Institution  
Towson University  
West Virginia University**

With the exception of the changes below, all terms and conditions of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

## **ARTICLE I. BACKGROUND AND OBJECTIVES**

M.4. The Association for the Study of African American Life and History, Bryn Mawr College, DC Department of Energy and Environment, Hood College, Lock Haven University, Mansfield University, Old Dominion University, Smithsonian Institution, Towson University, and West Virginia University are hereby included in the Chesapeake Watershed CESU as Partner Institutions.

## **ARTICLE III. TERM OF AGREEMENT**

A.1. The effective date of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement is 05 August 2016.

A.2. The effective date of this Amendment to the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature.

## **ARTICLE IV. KEY OFFICIALS**

C.43. The representatives for the Association for the Study of African American Life and History are:

*Technical Representative(s):*

Evelyn Brooks Higginbotham  
ASALH President  
Chair, Department of History  
Robinson Hall 202  
Harvard University  
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Phone: (617) 495-2504  
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*Administrative Representative(s):*

Sylvia Cyrus  
Executive Director, ASALH  
301 Rhode Island Avenue NW, Suite 2204  
Washington, DC 20001

Phone: (202) 238-5910  
[scyrus@asalh.org](mailto:scyrus@asalh.org)

C.44. The representatives for Bryn Mawr College are:

*Technical Representative(s):*

Thomas J. Mozdzer  
Associate Professor of Biology  
Bryn Mawr College  
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Bryn Mawr, PA 19010  
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*Administrative Representative(s):*

Nona Smith  
Director of Sponsored Research  
Bryn Mawr College  
101 N Merion Avenue  
Bryn Mawr, PA 19010  
Phone: (610) 526-5298  
[nsmith@brynmawr.edu](mailto:nsmith@brynmawr.edu)

C.45. The technical representative for the DC Department of Energy and Environment is:

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Partnering and Environmental Conservation Branch  
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C.46. The representatives for Hood College are:

*Technical Representative(s):*

Drew Ferrier  
Professor, Department of Biology and  
Director, Center for Coastal and Watershed Studies

Hood College  
401 Rosemont Avenue  
Frederick, MD 21701  
Phone: (301) 696-3660  
[dferrier@hood.edu](mailto:dferrier@hood.edu)

*Administrative Representative(s):*

Jaime Cacciola  
Director of Grants  
Hood College  
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Frederick, MD 21701  
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[cacciola@hood.edu](mailto:cacciola@hood.edu)

C.47. The technical representative for Lock Haven University is:

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ECAMJ108  
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C.48. The representatives for Mansfield University are:

*Technical Representative(s):*

Jennifer L. Demchak  
Chair, Department of Geosciences  
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*Administrative Representative(s):*

Phillip Swank  
Director, Grants and Sponsored Programs Office  
Mansfield University  
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[pswank@mansfield.edu](mailto:pswank@mansfield.edu)

C.49. The representatives for Old Dominion University are:

*Technical Representative(s):*

Thomas R. Allen  
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*Administrative Representative(s):*

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C.50. The representative for the Smithsonian Institution is:

Karen Otiji  
Associate Director, Office of Sponsored Projects  
Smithsonian Institution  
P.O. Box 37012, MRC 1205  
Washington, DC 20013-7012  
Phone: (202) 633-7110  
Phone: (202) 285-9432 (Mobile)  
Fax: (202) 312-2823  
[otijik@si.edu](mailto:otijik@si.edu)

C.51. The representatives for Towson University are:

*Technical Representative(s):*

Richard A. Seigel  
Professor, Department of Biological Sciences  
Towson University  
8000 York Road  
Towson, MD 21252

Phone: (410) 704-3123  
Fax: (410) 704-2405  
[rseigel@towson.edu](mailto:rseigel@towson.edu)

*Administrative Representative(s):*

Nancy Dufau  
Assistant Vice President  
Office of Sponsored Programs and Research  
Towson University  
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8000 York Road  
Towson, MD 21252  
Phone: (410) 704-5822  
[ndufau@towson.edu](mailto:ndufau@towson.edu)

C.52. The representatives for West Virginia University are:

*Technical Representative(s):*

Paul J. Kinder  
Director, Natural Resource Analysis Center  
West Virginia University  
P.O. Box 6108  
Morgantown, WV 26506-6108  
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Fax: (304) 293-3740  
[Paul.Kinder@mail.wvu.edu](mailto:Paul.Kinder@mail.wvu.edu)

*Administrative Representative(s):*

John Childress  
Director, Office of Sponsored Programs  
West Virginia University  
PO Box 6845  
Morgantown, WV 26506-6845  
Phone: (304) 293-3998  
[jtchildress@mail.wvu.edu](mailto:jtchildress@mail.wvu.edu)

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES**

Per Article III.C., the following authorizing signatures are attached:

- L. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)  
University of Maryland Center for Environmental Science

CCC. Association for the Study of African American Life and History  
DDD. Bryn Mawr College  
EEE. DC Department of Energy and Environment  
FFF. Hood College  
GGG. Lock Haven University  
HHH. Mansfield University  
III. Old Dominion University  
JJJ. Smithsonian Institution  
KKK. Towson University  
LLL. West Virginia University



**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

L. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)

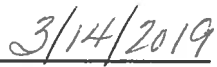
[not required for new partner amendment]

\_\_\_\_\_  
Robert L. Caret  
Chancellor

\_\_\_\_\_  
Date

L.1. University of Maryland Center for Environmental Science

  
\_\_\_\_\_  
Barbara A. Jenkins  
Acting Director  
Office of Research Administration and Advancement

  
\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

CCC. Association for the Study of African American Life and History

*Evelyn Brooks Higginbotham*

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Evelyn Brooks Higginbotham  
ASALH National President

3/21/2019  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

DDD. Bryn Mawr College

**Nona C. Smith** Digitally signed by Nona C. Smith  
Date: 2019.03.18 12:14:02 -04'00'

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Nona C. Smith  
Director of Sponsored Research

3/18/19

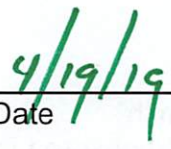
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Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

EEE. DC Department of Energy and Environment

  
\_\_\_\_\_  
Tommy Wells  
Director

  
\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

FFF. Hood College





\_\_\_\_\_  
Andrea E. Chapdelaine  
President

3-15-19  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

GGG. Lock Haven University

  
\_\_\_\_\_  
Donna Wilson  
Provost and Executive Vice President

  
\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

HHH. Mansfield University



\_\_\_\_\_  
John Ulrich  
Interim Provost and Vice President for Academic Affairs

3/15/19

\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

III. Old Dominion University


  
\_\_\_\_\_  
Morris Foster  
Vice President for Research

3/19/19  
Date

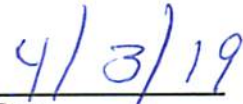


ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJJ. Smithsonian Institution



Tracey Fraser, Director  
Office of Sponsored Projects  
Smithsonian Institution



Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

KKK. Towson University



\_\_\_\_\_  
Benjamin Lowenthal  
Vice President of Administration and Finance  
and CFO

4/5/19

\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

LLL. West Virginia University



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John T. Childress  
Director, Office of Sponsored Programs

4.16.19  
Date