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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Administrative Representative(s):

Sylvia Cyrus
Executive Director, ASALH
301 Rhode Island Avenue NW, Suite 2204
Washington, DC 20001
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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tmozdzer@brynmawr.edu

**Administrative Representative(s):**

Nona Smith  
Director of Sponsored Research  
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nsmith@brynmawr.edu

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

Matt Robinson  
Environmental Protection Specialist  
Partnering and Environmental Conservation Branch  
Watershed Protection Division  
DC Department of Energy and Environment  
1200 First Street NE, 5th Floor  
Washington, DC 20002  
Phone: (202) 442-3204  
matthew.robinson@dc.gov

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

Jonathan Lindzey  
Dean, College of Natural, Behavioral, and Health Sciences  
ECAMJ108  
Lock Haven University  
Lock Haven, PA 17745  
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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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jdemchak@mansfield.edu

Administrative Representative(s):

Phillip Swank  
Director, Grants and Sponsored Programs Office  
Mansfield University  
521 North Hall  
Mansfield, PA 16933
C.49. The representatives for Old Dominion University are:

**Technical Representative(s):**

Thomas R. Allen  
Professor, Political Science and Geography  
713 Batten Arts & Letters  
Old Dominion University  
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tallen@odu.edu

**Administrative Representative(s):**

Richard Brammer  
Manager of Sponsored Programs  
Old Dominion University Research Foundation  
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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  
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Phone: (202) 285-9432 (Mobile)  
Fax: (202) 312-2823  
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
C.52. The representatives for West Virginia University are:

*Technical Representative(s):*

Paul J. Kinder  
Director, Natural Resource Analysis Center  
West Virginia University  
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*Administrative Representative(s):*

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Director, Office of Sponsored Programs  
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Morgantown, WV 26506-6845  
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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

L.1. University of Maryland Center for Environmental Science

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

3/4/2019  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Evelyn Brooks Higginbotham
ASALH National President

3/21/2019
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DDD. Bryn Mawr College

Nona C. Smith
Director of Sponsored Research

3/18/19
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EEE. DC Department of Energy and Environment

Tommy Wells
Director

4/19/19
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FFF. Hood College

[Signature]
Andrea E. Chapdelaine
President

3-15-19
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GGG. Lock Haven University

[Signature]
Donna Wilson
Provost and Executive Vice President

3/15/19
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HHH. Mansfield University

[Signature]

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

\[ Signature \]
Tracey Fraser, Director
Office of Sponsored Projects
Smithsonian Institution

4/3/19
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KKK. Towson University

[Signature]

Benjamin Lowenthal
Vice President of Administration and Finance
and CFO

4/5/19
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

LLL. West Virginia University

John T. Childress
Director, Office of Sponsored Programs

4.11.19
Date