

**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
Bureau of Indian Affairs
Bureau of Ocean Energy Management**

**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
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Administrative Representative(s):

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scyrus@asalh.org

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

Technical Representative(s):

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Administrative Representative(s):

Nona Smith
Director of Sponsored Research
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C.45. The technical representative for the DC Department of Energy and Environment is:

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Environmental Protection Specialist
Partnering and Environmental Conservation Branch
Watershed Protection Division
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1200 First Street NE, 5th Floor
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matthew.robinson@dc.gov

C.46. The representatives for Hood College are:

Technical Representative(s):

Drew Ferrier
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Hood College
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Phone: (301) 696-3660
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Administrative Representative(s):

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

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C.48. The representatives for Mansfield University are:

Technical Representative(s):

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

Technical Representative(s):

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Professor, Political Science and Geography
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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
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C.51. The representatives for Towson University are:

Technical Representative(s):

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Towson University
8000 York Road
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Phone: (410) 704-5822
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
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Fax: (304) 293-3740
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Administrative Representative(s):

John Childress
Director, Office of Sponsored Programs
West Virginia University
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Phone: (304) 293-3998
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]

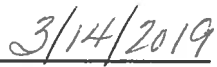
Robert L. Caret
Chancellor

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

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'

Nona C. Smith
Director of Sponsored Research

3/18/19

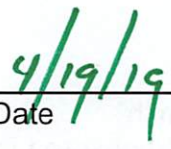
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EEE. DC Department of Energy and Environment



Tommy Wells
Director



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

3/15/19

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

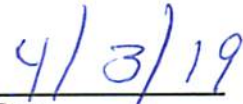
3/19/19
Date

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



John T. Childress
Director, Office of Sponsored Programs

4.16.19
Date