

**CHESAPEAKE WATERSHED
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

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

**U.S. DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense
(Installations and Environment)
U.S. Army Corps of Engineers – Civil Works**

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

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

and

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

**College of William and Mary
George Mason University
Pennsylvania State University
University of the District of Columbia
National Aquarium in Baltimore
American Bird Conservancy
James Madison University
Delaware State University
University of Delaware
The Academy of Natural Sciences
Western Pennsylvania Conservancy**

Adding:

**U.S. Fish and Wildlife Service
American University
Christopher Newport University
Howard University
Indiana University of Pennsylvania
University of Mary Washington
University of Virginia**

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

ARTICLE I. BACKGROUND AND OBJECTIVES

A.3. The U.S. Fish and Wildlife Service is hereby included in the Chesapeake Watershed CESU as a Federal Agency Partner under agreement #50181AJ002.

J.3. The following institutions, American University, Christopher Newport University, Howard University, Indiana University of Pennsylvania, University of Mary Washington, and University of Virginia, are hereby included in the Chesapeake Watershed CESU as Partner Institutions.

M. The U.S. Fish and Wildlife Service (hereinafter called USFWS) working with others, is responsible for conserving, protecting, and enhancing fish, wildlife, plants and their habitats for the continuing benefit of the American people through Federal programs related to migratory birds, endangered species, interjurisdictional fish and marine mammals, and inland sport fisheries. In accordance with the Fish and Wildlife Act of 1956 (16 USC 742f), the USFWS is authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance, and education.

ARTICLE III. TERM OF THE AGREEMENT

A.1. The effective date of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement is 06 August 2006.

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

A.9. The technical representative for the U.S. Fish and Wildlife Service is:

Leopoldo Miranda
U.S. Fish and Wildlife Service
Chesapeake Bay Field Office
177 Admiral Cochrane Drive
Annapolis, MD 21401
Phone: (410) 573-4573
Fax: (410) 266-9127
Leopoldo_Miranda@fws.gov

C.12. The technical representative for American University is:

Robert Griffith
Professor of History and Chair
Department of History
American University
139 Battelle Tompkins
4400 Massachusetts Avenue NW
Washington, DC 20016-8038
Phone: (202) 885-2419
Fax: (202) 885-6166
bgriff@american.edu

C.13. The technical representative for Christopher Newport University is:

Dr. David Doughty
Dean, College of Natural and Behavioral Sciences
Christopher Newport University
One University Place
McMurrin Hall
Newport News, VA 23606
Phone: (757) 594-7365
Fax: (757) 594-7304
doughty@cnu.edu

C.14. The technical representative for Howard University is:

Dr. George Middendorf, III
Professor, Department of Biology
415 College Street NW
Washington, DC 20059
Phone: (202) 806-7289

Fax: (202) 806-4564
gmiddendorf@howard.edu

C.15. The technical representative for Indiana University of Pennsylvania is:

Andrea Kimmel, JD, BCL
Project Development Officer
IUP Research Institute
Indiana University of Pennsylvania
1179 Grant Street
Indiana, PA 15701
Phone: (724) 357-1344
Fax: (724) 357-7697
akimmel@iup.edu

C.16. The technical representative for the University of Mary Washington is:

Michael Spencer
Department of Historic Preservation
Combs Hall #132
University of Mary Washington
1301 College Avenue
Fredericksburg, VA 22401-5300
Phone: (540) 654-1311
Fax: (540) 654-1068
mспен1bi@umw.edu

C.17. The technical representatives for the University of Virginia are:

Dr. Bernard J. Cosby
Research Professor, Department of Environmental Sciences
University of Virginia, Clark Hall
P.O. Box 400123
Charlottesville, VA 22932-4123
Phone: (434) 924-7787
Fax: (434) 924-7761
B.J.Cosby@virginia.edu

Dr. James N. Galloway
Professor, Department of Environmental Sciences
University of Virginia, Clark Hall
P.O. Box 400123
Charlottesville, VA 22932-4123
Phone: (434) 924-1303
Fax: (434) 924-7761
jng@virginia.edu

ARTICLE V. AWARD

A.3. Upon signature of all parties to this amendment, the U.S. Fish and Wildlife Service will commit \$10,000 in funds to the Chesapeake Watershed CESU Host University in furtherance of the Agreement, to be authorized by issuance of a Purchase Order, with reference made to this agreement. Any additional funds provided by the USFWS will be authorized by issuance of either a Cooperative Agreement or a Purchase Orders (dependant on type of work being performed).

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this amendment:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. U.S. Geological Survey
- C. National Park Service
- D. U.S. Fish and Wildlife Service**

U.S. DEPARTMENT OF DEFENSE

- E. Office of the Deputy Under Secretary of Defense (Installations and Environment)
- F. U.S. Army Corps of Engineers – Civil Works

U.S. DEPARTMENT OF AGRICULTURE

- G. U.S. Forest Service
- H. Natural Resources Conservation Service

U.S. DEPARTMENT OF COMMERCE

- I. National Oceanic and Atmospheric Administration

J. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)

- University of Maryland Center for Environmental Science
- University of Maryland, College Park
- Frostburg State University
- University of Maryland, Baltimore County

K. College of William and Mary

L. George Mason University

M. Pennsylvania State University

N. University of the District of Columbia

O. National Aquarium in Baltimore

P. American Bird Conservancy

Q. James Madison University

- R. Delaware State University
- S. University of Delaware
- T. The Academy of Natural Sciences
- U. Western Pennsylvania Conservancy
- V. American University**
- W. Christopher Newport University**
- X. Howard University**
- Y. Indiana University of Pennsylvania**
- Z. University of Mary Washington**
- AA. University of Virginia**

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

[Print Name]:
[Print Title]:

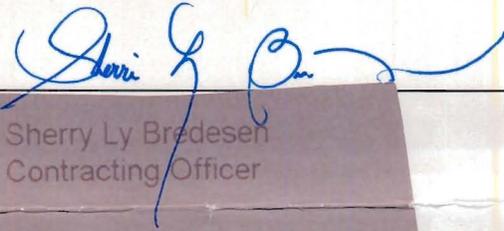
Date

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey



Sherry Ly Bredesen
Contracting Officer

09/14/10
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

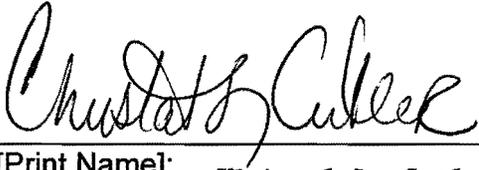
C. National Park Service

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service



[Print Name]: Christal L. Cutler
[Print Title]: Grants Officer

07/30/2010

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Army Corps of Engineers – Civil Works

Michael D. Lee

[Print Name]:

[Print Title]:

7 SEP 10

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. USDA Forest Service, Northern Research Station

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service



ELORIS D. SPEIGHT
Deputy Chief for Management



Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. National Oceanic and Atmospheric Administration

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. The University System of Maryland

[Print Name]: _____ Date _____
[Print Title]: _____

J.1. University of Maryland Center for Environmental Science



[Print Name]: Erica Kropp Date 8/11/2010
[Print Title]: Vice President for Administration

J.2. University of Maryland, College Park

[Print Name]: _____ Date _____
[Print Title]: _____

J.3. Frostburg State University

[Print Name]: _____ Date _____
[Print Title]: _____

J.4. University of Maryland, Baltimore County

[Print Name]: _____ Date _____
[Print Title]: _____

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. The University System of Maryland

[Print Name]:

Date

[Print Title]:

J.1. University of Maryland Center for Environmental Science

[Print Name]:

Date

[Print Title]:

J.2. University of Maryland, College Park

Katie Petrone

9/7/2010

[Print Name]:

Date

[Print Title]:

Katie Petrone, Contract Manager

J.3. Frostburg State University

[Print Name]:

Date

[Print Title]:

J.4. University of Maryland, Baltimore County

[Print Name]:

Date

[Print Title]:

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. College of William and Mary



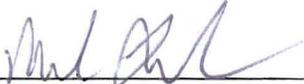
[Print Name]: RANDY CHAMBERS

[Print Title]: PROFESSOR OF BIOLOGY
CESU REP, COLLEGE OF WILLIAM & MARY

10 AUGUST 2010
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. George Mason University



[Print Name]: **Michael Laskofski**
[Print Title]: **Director**
Office of Sponsored Programs

8/15/10
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Pennsylvania State University

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. University of the District of Columbia

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. National Aquarium in Baltimore

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. American Bird Conservancy

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. James Madison University

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Delaware State University



[Print Name]: Harry L. Williams
[Print Title]: President

8/14/10
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Delaware

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. The Academy of Natural Sciences

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Western Pennsylvania Conservancy

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. American University



[Print Name]: Scott A. Bass
[Print Title]: Provost

5/14/10

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Christopher Newport University


[Print Name]: Dr. Tracey Schwarze
[Print Title]: Vice Provost


Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Howard University



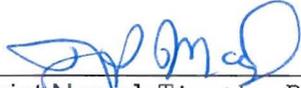
Florence Bonner
Vice President of Research & Compliance

06.08.10

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Indiana University of Pennsylvania



[Print Name]: Timothy P. Mack

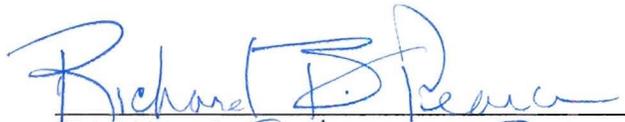
[Print Title]: Dean of the School of Graduate Studies and Research

5/22/10

Date

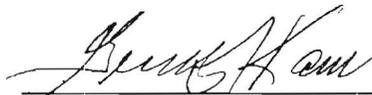
ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. University of Mary Washington


[Print Name]: Richard R. Pearce Date 5/12/10
[Print Title]: Acting V.P. for Administration & Finance

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. University of Virginia



[Print Name]:

[Print Title]:

6-15-10

Date

THE RECTOR AND VISITORS OF THE UNIVERSITY OF VIRGINIA
Gerald J. Kane, Jr.
Director of Grants and Contracts
Office of Sponsored Programs