

**CHESAPEAKE WATERSHED  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

**between**

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

**DEPARTMENT OF DEFENSE  
Office of the Deputy Under Secretary of Defense  
(Installations and Environment)**

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

**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**

**Adding**

**Delaware State University**

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**

F.1. Information on the Department of Defense is amended as follows:

The Department of Defense (hereinafter called DoD) manages nearly 29 million acres of land, and the natural and cultural resources found there, and for this agreement includes the Office of the Secretary of Defense, the Military Services, the Defense Logistics Agency, the National Guard Bureaus, and the Military Reserve Components. DoD's primary mission is national defense. DoD's conservation program supports this mission by ensuring realistic training areas, and managing its resources in ways that maximize available land, air, and water training opportunities. DoD environmental stewardship activities are authorized under the Sikes Act, as amended. In accordance with one or more of the following: 16 U.S.C. 670c-1, 10 U.S.C. 2358, 10 U.S.C. 2384, 10 U.S.C. 2394, and P.L. 103-139 (FY 94 NDAA page 107 Stat. 1422), the DoD is authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance, and education.

H.2. Delaware State University is included in the Chesapeake Watershed CESU as Partner Institutions.

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

A.1. The effective date of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement is 4 August 2006.

A.6. 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.6. The technical representative for Delaware State University is as follows:

Dr. Ambrose O. Anoruo  
Professor & Associate Dean for Research  
College of  
Agriculture & Related Sciences  
Delaware State University  
1200 N. DuPont Highway  
Dover, DE 19901-2277  
302-857-6400 (office)  
302-857-6402 (fax)  
[aanoruo@desu.edu](mailto:aanoruo@desu.edu)

#### **ARTICLE XIV. 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

##### **DEPARTMENT OF DEFENSE**

- D. Office of the Deputy Under Secretary of Defense  
(Installations and Environment)

##### **DEPARTMENT OF AGRICULTURE**

- E. U.S. Forest Service
- F. Natural Resources Conservation Service

##### **G. THE UNIVERSITY SYSTEM OF MARYLAND**

- 1. University of Maryland Center for Environmental Science
- 2. University of Maryland, College Park
- 3. Frostburg State University
- 4. University of Maryland, Baltimore County
- H. College of William and Mary
- I. George Mason University
- J. Pennsylvania State University
- K. University of the District of Columbia
- L. National Aquarium in Baltimore
- M. American Bird Conservancy
- N. James Madison University
- O. **Delaware State University**

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

A. Bureau of Land Management

\_\_\_\_\_  
Print Name]:  
[Print Title]:

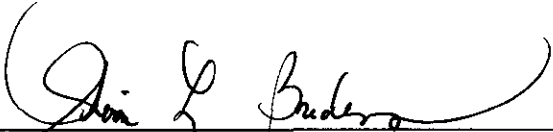
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Date

\_\_\_\_\_  
Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

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

B. U.S. Geological Survey

  
\_\_\_\_\_  
Sherri Ly Bredesen  
Contracting Officer

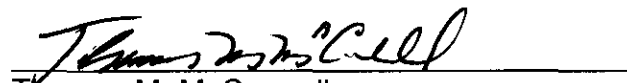
  
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Date

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

C. National Park Service

  
\_\_\_\_\_  
Joseph M. Lawler  
Regional Director  
National Capital Region

3/1/07  
Date

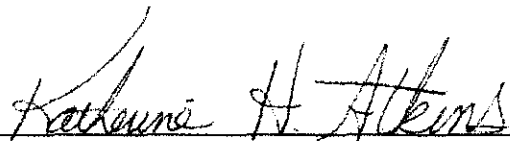
  
\_\_\_\_\_  
Thomas M. McConnell  
Contracting Officer  
National Capital Region

2/28/2007  
Date

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

**D. DEPARTMENT OF DEFENSE**

Office of the Deputy Under Secretary of Defense  
(Installations and Environment)



Katherine H. Atkins (Representing ODUSD(I&E))

Grants Officer

U.S. Army Engineer and Support Center, Huntsville

21 November 2006

Date

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

E. USDA Forest Service  
Northern Research Station  
(formerly named the Northeastern Research Station)

A handwritten signature in cursive script, appearing to read "David Garrison", written over a horizontal line.

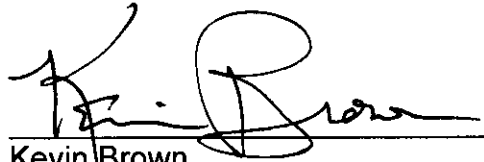
David Garrison  
Grants & Agreements Specialist

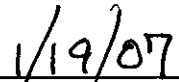
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**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

F. Natural Resources Conservation Service

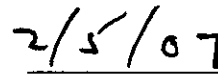
  
\_\_\_\_\_  
Kevin Brown  
Deputy Chief for Management

  
\_\_\_\_\_  
Date

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

G. The University System of Maryland





\_\_\_\_\_  
[Print Name]: William E. Kirwan  
[Print Title]: Chancellor

\_\_\_\_\_  
Date

G.1. University of Maryland Center for Environmental Science

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.2. University of Maryland, College Park

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.3. Frostburg State University

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.4. University of Maryland, Baltimore County

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

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

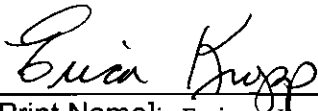
G. The University System of Maryland

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[Print Name]:

[Print Title]:

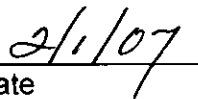
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Date

G.1. University of Maryland Center for Environmental Science



\_\_\_\_\_  
[Print Name]: Erica Kropp

[Print Title]: Director, Office of Research  
Administration and Advancement

  
\_\_\_\_\_  
Date

G.2. University of Maryland, College Park

\_\_\_\_\_  
[Print Name]:

[Print Title]:

\_\_\_\_\_  
Date

G.3. Frostburg State University

\_\_\_\_\_  
[Print Name]:

[Print Title]:

\_\_\_\_\_  
Date

G.4. University of Maryland, Baltimore County

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[Print Name]:

[Print Title]:

\_\_\_\_\_  
Date

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

G. The University System of Maryland

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[Print Name]:  
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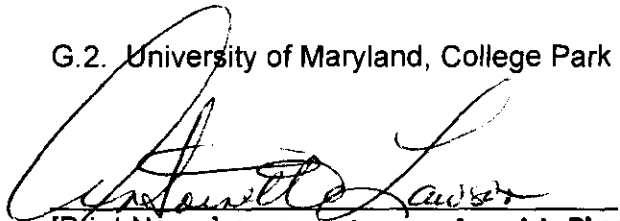
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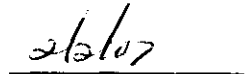
G.1. University of Maryland Center for Environmental Science

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.2. University of Maryland, College Park

  
\_\_\_\_\_  
[Print Name]: **Antoinette Lawson, Associate Director**  
[Print Title]: **Research Administration & Advancement**

  
\_\_\_\_\_  
Date

G.3. Frostburg State University

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.4. University of Maryland, Baltimore County

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

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

G. The University System of Maryland

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.1. University of Maryland Center for Environmental Science

\_\_\_\_\_  
[Print Name]:  
[Print Title]:


\_\_\_\_\_  
Date

G.2. University of Maryland, College Park

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

G.3. Frostburg State University

  
\_\_\_\_\_  
[Print Name]: Dr. Jonathan Gibraltar  
[Print Title]: President

2/2/07  
\_\_\_\_\_  
Date

G.4. University of Maryland, Baltimore County

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

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

G. The University System of Maryland

\_\_\_\_\_  
[Print Name]:

\_\_\_\_\_  
Date

[Print Title]:

G.1. University of Maryland Center for Environmental Science

\_\_\_\_\_  
[Print Name]:

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Date

[Print Title]:

G.2. University of Maryland, College Park

\_\_\_\_\_  
[Print Name]:

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[Print Title]:

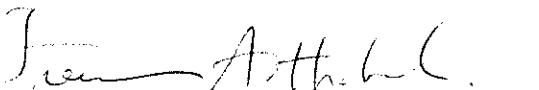
G.3. Frostburg State University

\_\_\_\_\_  
[Print Name]:

\_\_\_\_\_  
Date

[Print Title]:

G.4. University of Maryland, Baltimore County



[Print Name]: Freeman A. Hrabowski, III

[Print Title]: President

2/12/07

Date

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

H. College of William and Mary



\_\_\_\_\_  
Print Name]:

[Print Title]:


2/1/07

\_\_\_\_\_  
Date

**Michael P. Ludwick, M.A., CRA  
Director of Sponsored Programs  
The College of William and Mary**

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

I. George Mason University

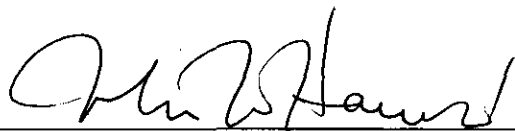
  
\_\_\_\_\_  
Print Name]: Ann T. McGuigan, PhD  
[Print Title]: Director,  
Office of Sponsored Programs

2/1/07  
Date



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

J. Pennsylvania State University



**Print Name]:** John W. Hanold, Senior Associate Director  
**[Print Title]:** Office of Sponsored Programs

FEB 05 2007

**Date**

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

K. University of the District of Columbia

Wilhelmina Keulen-Cooke

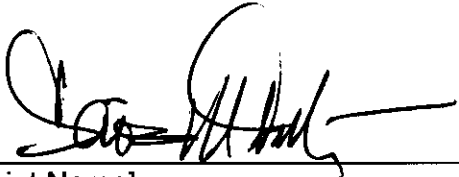
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[Print Title]:

2/06/07

Date

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

L. National Aquarium in Baltimore



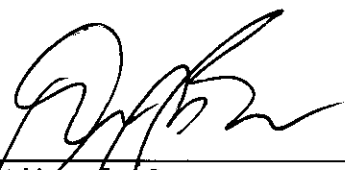
\_\_\_\_\_  
[Print Name]: David M. Pittenger  
[Print Title]: Executive Director

2.2.07

\_\_\_\_\_  
Date

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

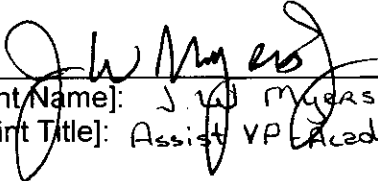
M. American Bird Conservancy

  
\_\_\_\_\_  
Print Name]: DAVID PASHLEY  
[Print Title]: VICE - PRESIDENT

Feb 10, 2007  
\_\_\_\_\_  
Date

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

N. James Madison University

  
\_\_\_\_\_  
Print Name]: J. W. MYERS, JR.  
[Print Title]: Assist. VP Academic Resources

2/2/07  
Date

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

O. Delaware State University

  
\_\_\_\_\_

Dr. Kenneth W. Bell

Provost and Vice President for Academic Affairs

  
\_\_\_\_\_

Date