

**CHESAPEAKE WATERSHED  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT FOUR 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**

**Adding  
American Bird Conservancy  
James Madison 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**

H.2. American Bird Conservancy and James Madison University are 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 6 August 2001.

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 American Bird Conservancy is as follows:

David N. Pashley  
Vice-President for Conservation Programs  
American Bird Conservancy  
P.O. Box 249  
The Plains, VA 20198  
540-253-5780 (phone)  
dpashley@abcbirds.org

C.7. The technical representative for James Madison University is as follows:

Dr. Steven P. Frysinger  
James Madison University  
College of Integrated Science & Technology  
ISAT/CS Room 309  
701 Carrier Drive - MSC 4102  
Harrisonburg, VA 22807  
540-568-2710 (phone)  
frysinp@jmu.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

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

A. Bureau of Land Management

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

\_\_\_\_\_  
Date

*[signature not needed per Article III.C.1 of the agreement]*

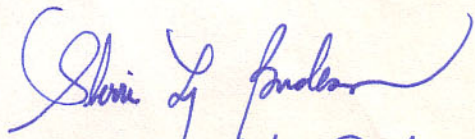
\_\_\_\_\_  
Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

*[signature not needed per Article III.C.1 of the agreement]*

ARTICLE IV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey



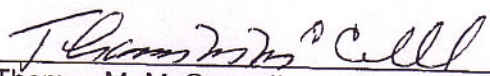
Print Name :  
Print Title :

Sheri Ly Bredesen  
Contracting Officer

Date 05/25/05

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. National Park Service

  
\_\_\_\_\_  
Thomas M. McConnell  
Contracting Officer

5/20/2005  
Date



**ARE X AMENDMENTS (ont.)**

D. DEPARTMENT OF DEFENSE

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

*Kenneth F. Gooding*  
KENNETH F. GOODING

GRANTS OFFICER

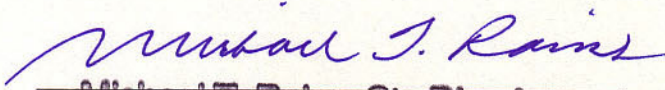
[Print Name]:

[Print Title]:

5/24/08  
Date

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

E. USDA Forest Service  
Northeastern Research Station



Michael T. Rains, Stn Director  
[Print Name]  
[Print Title]:

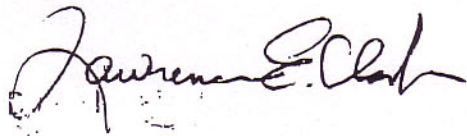
5.19.05

Date

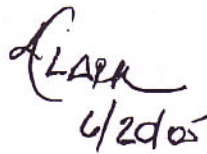


ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. Natural Resources Conservation Service

A handwritten signature in cursive script that reads "Lawrence E. Clark".

Date 6/20/05

Handwritten initials "LARK" in a stylized cursive font, with the date "6/20/05" written below them.

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

. The University System of Maryland



Print Name : William E. Kirwan  
Print Title : Chancellor

Date May 12, 2005

.1. University of Maryland Center for Environmental Science

Print Name :  
Print Title :

Date

.2. University of Maryland, College Park

Print Name :  
Print Title :

Date

.3. Frostburg State University

Print Name :  
Print Title :

Date

.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]: Donald F. Boesch  
[Print Title]: President

May 13, 2005  
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 IV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

. The University System of Maryland

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

.1. University of Maryland Center for Environmental Science

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

.2. University of Maryland, College Park

Print Name :  Date 5/16/05  
Print Title : **Evan L. Crierie, Contract Manager**

.3. Frostburg State University

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

.4. University of Maryland, Baltimore County

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

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

. The University System of Maryland

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

.1. University of Maryland Center for Environmental Science

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

.2. University of Maryland, College Park

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_

.3. Frostburg State University



Print Name : Catherine R. Gira Date May 16, 2005  
Print Title : President

.4. University of Maryland, Baltimore County

Print Name : \_\_\_\_\_ Date \_\_\_\_\_  
Print Title : \_\_\_\_\_



**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]:  
[Print Title]:

\_\_\_\_\_  
Date

G.4. University of Maryland, Baltimore County

*Freeman A. Hrabowski*  
\_\_\_\_\_  
[Print Name]: *Freeman A Hrabowski*  
[Print Title]: *President*

*5/13/05*  
\_\_\_\_\_  
Date

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

H. College of William and Mary



Print Name :

Date *5/12/05*

Print Title :

**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

Ann T. McGuigan

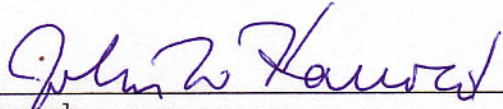
5/14/05

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

Date

**ARE X AMENETAUSSURS (nt.)**

J. Pennsylvania State University



Print Name]: John W. Hanold  
[Print Title]: Sr. Associate Director

May 25, 2005  
Date

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

K. University of the District of Columbia

*Wilhelmina Reuben-Cooke*

*5/16/05*

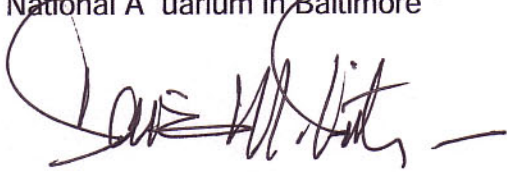
[Print Name]: Wilhelmina Reuben-Cooke  
[Print Title]: Provost and Vice President  
for Academic Affairs

Date



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

. National Aquarium in Baltimore

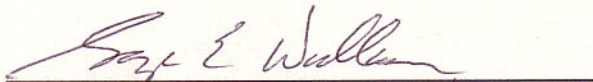


Print Name : *DAVID M. PITTEMBER*  
Print Title : *EXECUTIVE DIRECTOR*

Date *5.13.05*

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

M. American Bird Conservancy

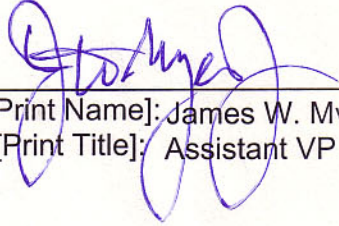


[Print Name]: *George E. Wallace*  
[Print Title]: *Chief Conservation Officer*  
*Vice President*

*2 May 05*  
Date

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

N. James Madison University



\_\_\_\_\_  
[Print Name]: James W. Myers, Jr.  
[Print Title]: Assistant VP - Academic Resources

5/9/06

\_\_\_\_\_  
Date