

**GREAT LAKES-NORTHERN FOREST  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

**between**

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

**DEPARTMENT OF AGRICULTURE  
U.S. Forest Service (North Central Research Station)  
Natural Resources Conservation Service**

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**and**

**UNIVERSITY OF MINNESOTA (HOST)  
Cleveland State University  
Fond du Lac Tribal and Community College  
Indiana University  
Michigan State University  
Michigan Technological University  
Minnesota State University, Mankato  
Southern University and A&M College  
SUNY-College of Environmental Science and Forestry  
University of Iowa  
University of Massachusetts, Amherst  
University of Toledo  
University of Vermont and State Agricultural College  
University of Wisconsin, Madison  
University of Wisconsin-Stevens Point  
West Virginia University  
American Indian Science and Engineering Society  
Great Lakes Commission  
The Great Lakes Forest Alliance  
International Association for Great Lakes Research  
Minnesota Department of Natural Resources  
Minnesota Forest Resources Council  
National Council for Air and Stream Improvement, Inc.  
The Nature Conservancy  
The Science Museum of Minnesota**

**Northern Michigan University  
Stephen F. Austin State University  
University of Wisconsin-La Crosse**

**Adding**

**DEPARTMENT OF THE ARMY  
US Army Corps of Engineers – Civil Works**

With the exception of the changes below, all terms and conditions of the Great Lakes-Northern Forest Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the agreement.

**ARTICLE I. BACKGROUND AND OBJECTIVES**

J.2. US Army Corps of Engineers-Civil Works (USACE-CECW) is included in the Great Lakes-Northern Forest CESU as a Federal Agency Partner under agreement number W912HZ-07-2-0003 for a cumulative amount not-to-exceed \$25,000,000.00.

I. The US Army Corp of Engineers – Civil Works (hereinafter called USACE-CECW) provides assistance in the development and management in the nation's water resources. The main missions of USACE-CECW, i.e., the Corps, are 1) to facilitate commercial navigation, 2) to protect citizens and their property from flood and storm damages, and 3) to protect and restore environmental resources. The Corps carries out most of its work in partnership with Tribal, state and local governments and other non-federal entities. The Corps must rely upon using the best available science in the evaluation of water resources needs and in the development of recommendations for water resource management. The university and scientific advances will assist the Corps in reaching sound, scientifically based decisions. In accordance with 10 U.S.C. 2358, USACE-CW is authorized to enter into the cooperative agreement with the Great Lakes-Northern Forest CESU enabling the USACE-CW to receive direct scientific support from regional CESU members. USACE-CW is authorized to cooperate with other agencies in accordance with Title 33 U.S.C. 2323a and 10 U.S.C. 3036(d).

**ARTICLE III. TERMS OF AGREEMENT**

A.1. The effective date of the Great Lakes-Northern Forest CESU agreement is 2 August 2002.

A.4. The effective date of this amendment to the Great Lakes-Northern Forest CESU agreement shall be determined from the date of the last signature to this amendment.

**ARTICLE IV. KEY OFFICIALS**

C.28. The technical representative for the Department of the Army, Engineering Research and Development Center, Corps of Engineers is:

Alfred F. Cofrancesco  
Technical Director, Civil Works, Environmental Engineering & Science  
Department of the Army  
Engineering Research and Development Center  
Corps of Engineers  
Environmental Laboratory  
Waterways Experiment Station, 3909 Halls Ferry Road  
Vicksburg, MS 39180-6199

#### **ARTICLE V. AWARD**

B.2. Upon signature of all parties to this amendment, Department of the Army will commit \$10,000 in funds to the Host University in furtherance of the agreement, to be authorized by a modification issued against the agreement.

C.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations.

#### **ARTICLE VI. PRIOR APPROVAL**

B. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations.

#### **ARTICLE VII. REPORTS AND DELIVERABLES**

A.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations.

#### **ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION**

B. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations.

#### **ARTICLE IX. TERMINATION**

B. Also, in accordance with 22 CFR Part 518 (Department of Defense) and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations.

#### **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

U.S. DEPARTMENT OF AGRICULTURE

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

F. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

G. **DEPARTMENT OF THE ARMY, US Army Corps of Engineers – Civil Works**

H. UNIVERSITY OF MINNESOTA

- I. Cleveland State University
- J. Fond du Lac Tribal and Community College
- K. Indiana University
- L. Michigan State University
- M. Michigan Technological University
- N. Minnesota State University, Mankato
- O. Southern University and A&M College
- P. SUNY -College of Environmental Science and Forestry
- Q. University of Iowa
- R. University of Massachusetts, Amherst
- S. University of Toledo
- T. University of Vermont and State Agricultural College
- U. University of Wisconsin, Madison
- V. University of Wisconsin-Stevens Point
- W. West Virginia University
- X. American Indian Science and Engineering Society
- Y. Great Lakes Commission
- Z. Great Lakes Forest Alliance
- AA. International Association for Great Lakes Research
- BB. Minnesota Department of Natural Resources
- CC. Minnesota Forest Resources Council
- DD. National Council for Air and Stream Improvement, Inc.
- EE. The Nature Conservancy
- FF. Science Museum of Minnesota
- GG. Northern Michigan University
- HH. Stephen F. Austin State University
- II. University of Wisconsin-La Crosse

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

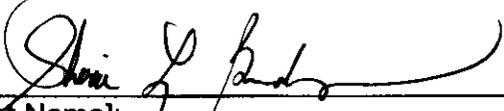
**A. Bureau of Land Management**

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

\_\_\_\_\_  
Date

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

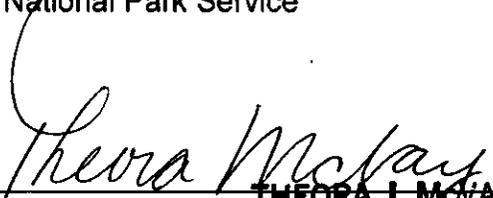
B. U.S. Geological Survey

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

09/05/06  
Date

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

C. National Park Service

  
\_\_\_\_\_  
[Print Name]: THEORA J. MOVAY  
[Print Title]: CONTRACTING OFFICER

8-25-06  
Date

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

D. USDA Forest Service  
North Central Research Station



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[Print Name] *Thomas L. Schmidt*  
[Print Title] *Assistant Director*

*8/24/06*  
Date

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

**E. Natural Resources Conservation Service**

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

\_\_\_\_\_  
Date

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

F. National Aeronautics and Space Administration

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

\_\_\_\_\_  
Date

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

G. Department of the Army, Engineering Research and Development Center  
Corps of Engineers, Civil Works

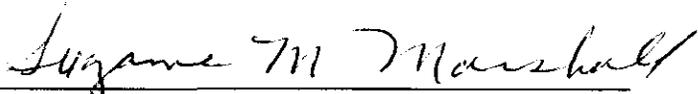


\_\_\_\_\_  
[Print Name]: Sally E. East  
[Print Title]: Grants officer

8/1/06  
Date

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

H . University of Minnesota

  
\_\_\_\_\_  
Suzanne M. Marshall  
Coordinator, Sponsored Projects Administration  
University of Minnesota

6/13/06  
Date

H . University of Minnesota

  
\_\_\_\_\_  
Dorothy H. Anderson, Ph.D.  
Coordinator, Great Lakes-Northern Forest CESU  
University of Minnesota

6/13/2006  
Date

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

I. Cleveland State University

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

\_\_\_\_\_  
Date

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

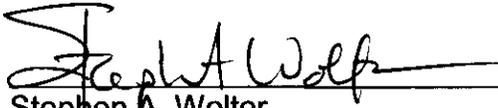
J. Fond du Lac Tribal and Community College

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

\_\_\_\_\_  
Date

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

K. Indiana University



Stephen A. Wolter  
Executive Director, Eppley Institute for Parks & Public Lands  
Indiana University

8/1/06  
Date



Steven A. Martin  
Assistant Vice President for Research  
Indiana University

8/9/06  
Date

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

L. Michigan State University

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

\_\_\_\_\_  
Date

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

M. Michigan Technological University

A handwritten signature in black ink, appearing to read "David D. Reed", written over a horizontal line.

[Print Name]: David D. Reed  
[Print Title]: Vice President for Research

6/9/06

Date

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

N. Minnesota State University, Mankato

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

\_\_\_\_\_  
Date

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

O. Southern University and A&M College

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

\_\_\_\_\_  
Date

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

P. SUNY-College of Environmental Science and Forestry

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

\_\_\_\_\_  
Date

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

Q. University of Iowa

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

[Print Title]:

\_\_\_\_\_  
Date

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

R. University of Massachusetts, Amherst

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

\_\_\_\_\_  
Date

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

S. University of Toledo

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

\_\_\_\_\_  
Date

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

T. University of Vermont and State Agricultural College



[Print Name]:  
[Print Title]:

Beverly A. Blakeney, Program Director  
Pre-Award Services, Office of Sponsored Programs

JUN 08 2006  
Date

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

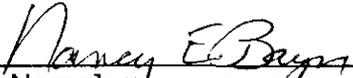
U. University of Wisconsin, Madison

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

\_\_\_\_\_  
Date

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

V. University of Wisconsin, Stevens Point

  
\_\_\_\_\_  
[Print Name]: Nancy E. Bayne  
[Print Title]: Associate Vice Chancellor

  
Date

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

W. West Virginia University

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

\_\_\_\_\_  
Date

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

X. American Indian Science and Engineering Society

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

[Print Title]:

\_\_\_\_\_  
Date

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

Y. Great Lakes Commission

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

\_\_\_\_\_  
Date

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

Z. Great Lakes Forest Alliance

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

\_\_\_\_\_  
Date

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

AA. International Association for Great Lakes Research

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

\_\_\_\_\_  
Date

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

BB. Minnesota Department of Natural Resources

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

\_\_\_\_\_  
Date

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

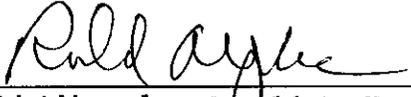
CC. Minnesota Forest Resources Council

David Zumeta  
[Print Name]: David Zumeta  
[Print Title]: Executive Director

6/12/06  
Date

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

DD. National Council for Air and Stream Improvement, Inc.



\_\_\_\_\_  
[Print Name]: Ronald A. Yeske  
[Print Title]: President

6/12/2006  
Date

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

EE. The Nature Conservancy

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

\_\_\_\_\_  
Date

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

FF. Science Museum of Minnesota

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

\_\_\_\_\_  
Date

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

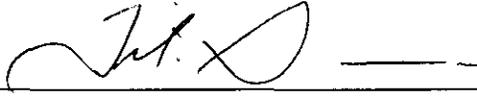
GG. Northern Michigan University

\_\_\_\_\_  
Cynthia Prosen, Ph.D.  
Dean of College of Graduate Studies and Research

\_\_\_\_\_  
Date

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

HH. Stephen F. Austin State University

A handwritten signature in black ink, appearing to read "Tito Guerrero III", is written over a horizontal line.

Tito Guerrero III  
President

6/10/06  
Date

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

II. University of Wisconsin-La Crosse

  
\_\_\_\_\_  
Vijendra Agarwal  
Associate Vice Chancellor for Academic Affairs

6/12/06  
Date