AMENDMENT ONE TO
COOPERATIVE and JOINT VENTURE AGREEMENT (II)
[Renewal Agreement: 02AUG2007]

between

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

DEPARTMENT OF AGRICULTURE
U.S. Forest Service, Northern Research Station
Natural Resources Conservation Service

NATIONAL AERONAUTICS and SPACE ADMINISTRATION
NASA

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

And

UNIVERSITY OF MINNESOTA (HOST)
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
West Virginia University
American Indian Science and Engineering Society
Great Lakes Commission
Great Lakes Forest Alliance
International Association for Great Lakes Research
Minnesota Department of Natural Resources
Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
C.29. The technical representative for Cornell University is:

Dr. Daniel J. Decker  
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Director, Office of Land Grant Affairs  
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C.30. The technical representatives for Indiana State University are:

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Dr. Dale W. Sparks  
Assistant Director, Center for North American Bat Research and Conservation  
Department of Ecology and Organismal Biology
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Administrative Representative:

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C.31. The technical representatives for Purdue University are:

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Administrative Representative:

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C.32. The technical representative for the University of Notre Dame is:

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Fax: 574-631-7413
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ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES
The following authorizing signatures are attached to this amendment:

Federal Partners
U.S. DEPARTMENT OF THE INTERIOR

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
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

U.S. DEPARTMENT OF DEFENSE
G. Department of the Army, US Army Corps of Engineers–Civil Works

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

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

__________________________________________   ________
Alan Barron Bail     Date
Acting State Director
B. U.S. Geological Survey—Biological Resources Division

[Signature]
Sherri Bredesen
Contracting Officer

03/12/08
Data
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. National Park Service

[Signature]

Theora McVay

3-3-08

Date

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. USDA Forest Service

[Signature]
David Garrison, Grants and Agreements Specialist
Northern Research Station

3/03/08
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Natural Resources Conservation Service

Katherine C. Gugulis
Deputy Chief for Management

Date 4/11/08
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. National Aeronautics and Space Administration

[Signature]
Daniel D. White

Date: 3/7/68

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. US Army Corps of Engineers – Civil Works

________________________________________   _________
Laurie A. Bagby     Date
Grants Officer
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. University of Minnesota

Judith Kryzek, Grants & Contracts Manager
Sponsored Projects Admin.

[Signature]

16 Apr 08
Date

Dorothy H. Anderson, Ph.D.
Coordinator, Great Lakes-Northern Forest CESU

7 Apr 08
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. Fond du Lac Tribal and Community College

Donald R. Day
President

Date: 4-10-08
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Indiana University

\[Signature\]
Stephen A. Wolter  
Executive Director, Eppley Institute for Parks and Public Lands  
Technical Representative

\[Signature\]
Steven A. Martin  
Assistant Vice President for Research

\[Signature\]
TRACEY LEVY  
CONTRACT ADMINISTRATOR

Date: 4/14/08

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Michigan State University

__________________________________________   ________
Daniel T. Evon     Date
Director, Contract and Grant Administration
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L.  Michigan Technological University

__________________________________________   ________
David D. Reed     Date
Vice President for Research

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Minnesota State University–Mankato

__________________________________________   ________
Richard J. Straka     Date
Vice President for Finance and Administration
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Southern University and A&M College

______________________________  ____________
Margaret S. Ambrose     Date
Interim Chancellor
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. SUNY–College of Environmental Science and Forestry

__________________________________________   ________
Cornelius B. Murphy, Jr.     Date
President
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Iowa

__________________________________________   ________
Twila Fisher Reighley     Date
Assistant Vice President for Research
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Massachusetts-Amherst

Jennifer A. Donais, CRA
Associate Director

4-14-08 Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of Toledo

__________________________________________   ________  
R. Douglas Wilkerson, Ph.D.     Date
Vice President for Research Administration
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Vermont and State Agricultural College

[Signature]

Ruth Farrell
Associate Vice President for Research Administration

4.11.08
Date

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Wisconsin–Madison

__________________________________________   ________
Diane Barrett     Date
Assistant Director, Research and Sponsored Programs
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. West Virginia University

__________________________________________   ________
Curt M. Peterson     Date
Interim Vice President for Research & Economic Development
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. American Indian Science and Engineering Society

__________________________________________   ________
Dwight A. Gourneau     Date
Director of Professional Development
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Great Lakes Commission

__________________________________________   ________
Thomas R. Crane     Date
Program Manager, Resource Management
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Great Lakes Forest Alliance

__________________________________________   ________
Stefan Bergmann     Date
Executive Director
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. International Association for Great Lakes Research

_________________________    ___________
Lynda D. Corkum     Date
President
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Minnesota Department of Natural Resources

__________________________________________________________________________
Laurie Martinson                                      Date
Deputy Commissioner
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

[Signature]
Ronald A. Yeske

[Date]
April 14, 2008
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. The Nature Conservancy

[Signature]

Date: 4/14/08

John A. Andersen, Jr.
Great Lakes Director

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. Science Museum of Minnesota

__________________________________________   ________
Eric J. Jolly     Date
President
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. Cleveland State University

__________________________________________   ________
Leo W. Jeffres  Date
Interim Vice Provost for Research
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. University of Wisconsin–Stevens Point

__________________________________________   ________
Michael P. Veum     Date
Associate Vice Chancellor for Personnel,  
                  Budget, Grants, and Summer Session
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. Northern Michigan University

__________________________________________   ________
Cynthia Prosen     Date
Associate Provost for Academic Affairs

__________________________________________   ________
R. Gavin Leach     Date
Vice President for Finance and Administration
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. Stephen F. Austin State University

__________________________________________   ________
Baker Pattillo     Date
President

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
HH. University of Wisconsin–La Crosse

Vijendra J. Agarwal
Associate Vice Chancellor for Academic Affairs

Date: 4/7/08

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. Antioch University New England

[Signature]
DAVID A. CARUSO
PRESIDENT

1/23/08
DATE
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J.J. Cornell University

Christine M. Ashdown
Sr. Grant & Contract Officer
Sponsored Program Services

1/4/08
Date

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Indiana State University

Dr. Mark D. Green
Chief Research Officer

Date 1/1/09
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

LL. Purdue University

Michael R. Ludwig
Associate Director
Sponsored Programs

12/5/67
Date

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

MM. University of Notre Dame

Michael T. Edwards
Assistant Vice President / Director, Office of Research

DEC 05 2007
Date

Great Lakes-Northern Forests CESU (II), Amendment One, Antioch-Cornell-IN State-ND-Purdue