UPPER AND MIDDLE MISSISSIPPI VALLEY COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT FIVE TO COOPERATIVE AGREEMENT

between

DEPARTMENT OF THE INTERIOR
Bureau of Land Management
U.S. Geological Survey-Biological Resources Division
National Park Service
U.S. Fish and Wildlife Service

DEPARTMENT OF AGRICULTURE
Natural Resources Conservation Service

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

DEPARTMENT OF THE ARMY
U.S. Corps of Engineers – Civil Works

and

The Curators of the UNIVERSITY OF MISSOURI (HOST)
Drake University
Indiana University
Iowa State University
Lincoln University
Southern Illinois University
Southwest Missouri State University
University of Illinois
University of Iowa
University of Kansas
University of Minnesota
With the exception of the changes below, all terms and conditions of the Upper and Middle Mississippi Valley CESU Agreement apply to this Amendment, and this Amendment is hereby made part of the agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES
G.4. The University of Notre Dame is included as a Partner Institution in the Upper and Middle Mississippi Valley Cooperative Ecosystem Studies Unit.

ARTICLE III. TERM OF AGREEMENT
A.1. The effective date of the Upper and Middle Mississippi Valley CESU Cooperative Agreement is 17 July 2003.

A.3. The effective date of this amendment to the Upper and Middle Mississippi Valley CESU Cooperative Agreement shall be determined from the date of the last signature.

ARTICLE IV. KEY OFFICIALS
C.17. The technical representative for the University of Notre Dame is as follows:

Dr. Paul W. Bohn
Department of Chemical and Biomolecular Engineering
301 Cushing Hall
University of Notre Dame
Notre Dame, IN 46556
Phone: 547-631-1849
Fax: 574-631-8366
Email: pbohn@nd.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-Biological Resources Division
C. National Park Service
D. U.S. Fish and Wildlife Service

U.S. DEPARTMENT OF AGRICULTURE
E. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE
F. Office of the Deputy Under Secretary of Defense (Installations and Environment)

U.S. DEPARTMENT OF THE ARMY
G. U.S. Army Corps of Engineers – Civil Works

H. THE CURATORS OF THE UNIVERSITY OF MISSOURI
I. Drake University
J. Indiana University
K. Iowa State University
L. Lincoln University
M. Southern Illinois University
N. Southwest Missouri State University
O. University of Illinois
P. University of Iowa
Q. University of Kansas
R. University of Minnesota
S. National Audubon Society, Inc. dba Audubon of Missouri
T. National Audubon Society, Inc. dba Audubon – Upper Mississippi River Campaign
U. Conservation Federation of Missouri
V. Missouri Botanical Garden
W. National Mississippi River Museum and Aquarium
X. St. Mary’s University of Minnesota
Y. University of Notre Dame
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

___________________________________   ______________
[Print Name]:             Date
[Print Title]:

___________________________________   ______________
[Print Name]:             Date
[Print Title]:

___________________________________   ______________
[Print Name]:             Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey-Biological Resources Division

___________________________________   ______________
[Print Name]:             Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. National Park Service

[Print Name]:
[Print Title]:
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service

[Signature]
Kenneth E. Kaseforth
Level II Contracting Officer, Region 3

[Date]
3/26/08
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Natural Resources Conservation Service

Katherine C. Gugulis
Deputy Chief for Management

Date
ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

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

_____________________________________   ___________
Carolyn Comes, Grants Officer    Date
(Representing ODUSD (I&E)
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Department of the Army, U.S Corps of Engineers-Civil Works

______________________________   ______________
[Print Name]:             Date
[Print Title]:

______________________________
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. The Curators of the University of Missouri

_____________________________   __________________
[Print Name]:             Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. Drake University

__________________________________________________________________________  ______________
[Print Name]:                  Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Indiana University

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

Date

Steven A. Martin  
Associate Vice Provost for Research  
Research Administration

Date

TRACEY LEVY  
CONTRACT ADMINISTRATOR
K. Iowa State University

_____________________________   __________
[Print Name]:             Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Lincoln University

Carolyn R. Mahoney

Carolyn R. Mahoney 4-11-08 President

[Print Name]: Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Southern Illinois University

\[ \text{[Print Name]}: \quad \text{Date} \]
\[ \text{[Print Title]}: \]
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Missouri State University

JAMES P. BAKER
Vice President for Research
And Economic Development 4-2-08

[Print Name]: Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. University of Illinois

___________________________________   ______________
[Print Name]:             Date
[Print Title]:

___________________________________   ______________
[Print Name]:             Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Iowa

[Print Name]: Larry S. Weber
[Print Title]:
Director, IIHR: Hydraulics & Engineering
Professor, Civil and Environmental Engineering

3/12/03
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Kansas

Barbara Armbrister
Director, Research Administration

March 24, 2008
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of Minnesota

__________________________________________________________________________  __________
[Print Name]:                      Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. National Audubon Society, Inc. dba Audubon of Missouri

[Print Name]: Roger L. Still
[Print Title]: Vice President

4-30-08
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. National Audubon Society, Inc. dba Audubon of Missouri

[Signature]

[Print Name]:
[Print Title]:

Daniel W. McGuiness
Director, Conservation Policy

4-30-08
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. National Audubon Society, Inc. dba Audubon – Upper Mississippi River Campaign

[Print Name]:                     Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Conservation Federation of Missouri

[Print Name]: ____________________________  Date
[Print Title]:
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. Missouri Botanical Garden

[Print Name]:
[Print Title]:

[Signature]

20 March 2008
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. National Mississippi River Museum and Aquarium

Mark D. Wagner
Director of Visitor Experience

[Print Name]:
[Print Title]:

3/27/08

Date

Mark D. Wagner
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. St. Mary’s University of Minnesota

___________________________________   ______________
[Print Name]:             Date

[Print Title]:

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. University of Notre Dame

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

Date: 03/04/09