GREAT RIVERS
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT THREE TO
COOPERATIVE AND JOINT VENTURE AGREEMENT

between

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

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

U.S. DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense
(Installations and Environment)
U.S. Army 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
Missouri State University
University of Illinois
University of Iowa
University of Kansas
University of Minnesota
Audubon of Missouri
Audubon – Upper Mississippi River Campaign
Conservation Federation of Missouri
Missouri Botanical Garden
National Mississippi River Museum and Aquarium
Adding:

University of Memphis

With the exception of the changes below, all terms and conditions of the Great Rivers CESU Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

K.3. The University of Memphis is hereby included as a Partner Institution in the Great Rivers Cooperative Ecosystem Studies Unit.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Great Rivers CESU Cooperative and Joint Venture Agreement is 15 July 2008.

A.3. The effective date of this Amendment to the Great Rivers CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature.

ARTICLE IV. KEY OFFICIALS

C.19. The technical representative for the University of Memphis is:

  Judson Finley  
  Assistant Professor  
  Department of Earth Sciences  
  111 Johnson Hall  
  The University of Memphis  
  Memphis, TN 38152  
  Phone: (901) 678-2979  
  Fax: (901) 678-2178  
  jfinley2@memphis.edu
Administrative Representative:

Deborah Hernandez
Director, Research Development,
Corporate and Foundation Grants
Administration Building #308
The University of Memphis
Memphis, TN 38152
Phone: (901) 678-2648
Fax: (901) 678-2199
dherndz@memphis.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
D. U.S. Fish and Wildlife Service

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

U.S. DEPARTMENT OF DEFENSE
G. Office of the Deputy Under Secretary of Defense (Installations and Environment)
H. U.S. Army Corps of Engineers – Civil Works

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

A. Bureau of Land Management

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Timothy R. Spisak  Date
Acting State Director, Eastern States

Lisa T. Clayton  Date
Grants Management Officer
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey

[Signature]
Sharr Ly Bredesen
Contracting Officer

Date: 05/17/11
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. National Park Service

\[\text{Signature}\]

\[\text{Theora McVay}\]
Contracting Officer

\[\text{Date}\]
5-24-11
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service

[Signature]
Elaine M. DeGroot  Lauretha Randie
Contracting Officer, Region 3

[Date]
5/23/11
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Natural Resources Conservation Service

[Signature]
Eloris D. Speight
Deputy Chief for Management

5-25-11
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Forest Service

David Garrison
Grants and Agreements Specialist
Northern Research Station

Date
5/19/11
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Leslie E. Guy
Grants Officer
Representing ODUSD (I&E)
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. U.S. Army Corps of Engineers -- Civil Works

Digitally signed by
SONTAG.DEANNDA.S.1230791909
DN: c=US, o=U.S. Government, ou=DoD,
ou=PHL, ou=USA,
cn=SONTAG.DEANNDA.S.1230791909
Date: 2011.06.21 12:51:24-05'00"

Deannda Sontag
Grants Officer

Date

21 June 2011
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. The Curators of the University of Missouri

Karen M. Geren
Authorized Signer, Grants & Contractors
Office of Sponsored Programs Administration

5/31/2011
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Drake University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]:
[Print Title]:

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Indiana University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

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

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

L. Iowa State University

[Signature]
Tammy Polasky
Associate Director
Office of Sponsored Programs Administration
Iowa State University

5/17/11
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Lincoln University

[Print Name]: Carolyn R. Manoney
[Print Title]: President

Date: 05/24/11
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Southern Illinois University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]:
[Print Title]:

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Missouri State University

[Print Name]: James Baker, PhD
[Print Title]: VP for Research & Economic Development

5/19/11

[Signature]

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Illinois

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

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

Q. University of Iowa

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

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


ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of Kansas

[Print Name]: Joanne Altieri
[Print Title]: Joanne Altieri, Director
Research Administration

5/27/11
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Minnesota

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]:  
[Print Title]:

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

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

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]: ___________________________ Date

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

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

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

[Print Name]:  [Print Title]:

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

V. Conservation Federation of Missouri

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

_________________________             ______________
[Print Name]:                   Date

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

W. Missouri Botanical Garden

[Print Name]: ROBERT E. MAGILL
[Print Title]: SR. VICE-PRESIDENT, SCIENCE & CONSERVATION

13 May 2011
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. National Mississippi River Museum and Aquarium

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of this amendment, its signature will not be required to make the amendment effective.

Mark D. Wagner  
Education Director  

[Signature]  
5/16/2011  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. St. Mary's University of Minnesota

[Print Name]: Barry Drazkowski
[Print Title]: Executive Director
             GeoSpatial Services
             University Representative

May 16, 2011
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. University of Notre Dame

Liz Rulli
Associate Vice President for Research

May 16, 2011
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Winona State University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

W. Harold Ornes
Dean, College of Science and Engineering
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. National Great Rivers Research and Education Center

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

___________________________________   ______________
John Chick        Date
Field Station Director
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. University of Memphis

[Print Name]: Andrew Meyers
[Print Title]: Vice Provost for Research

Date: 5/11/10