

**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  
Farm Service Agency**

**U.S. DEPARTMENT OF DEFENSE  
Office of the Assistant Secretary of Defense  
(Energy, 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 Missouri  
Audubon Minnesota (formerly Upper Miss. River Campaign)  
Conservation Federation of Missouri  
Missouri Botanical Garden  
National Mississippi River Museum and Aquarium**

**St. Mary's University of Minnesota  
University of Notre Dame  
Winona State University  
National Great Rivers Research and Education Center  
University of Memphis  
Southeast Missouri State University**

**Adding:  
Saint Louis University**

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

**ARTICLE I. BACKGROUND AND OBJECTIVES**

L.2. Saint Louis University is hereby included in the Great Rivers CESU as a Partner Institution.

**ARTICLE III. TERM OF AGREEMENT**

A.1. The effective date of the Great Rivers CESU Cooperative and Joint Venture Agreement is 15 July 2013.

A.2. 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 to this Amendment.

**ARTICLE IV. KEY OFFICIALS**

C.22. The technical representative for the Saint Louis University is:

Amanda Cox  
Assistant Professor  
McDonnell Douglas Hall  
Saint Louis University  
St. Louis, MO 63103  
Phone: (314) 977-8324  
[coxal@slu.edu](mailto:coxal@slu.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
- F. U.S. Forest Service
- G. Farm Service Agency

### U.S. DEPARTMENT OF DEFENSE

- H. Office of the Assistant Secretary of Defense (Energy, Installations, and Environment)
- I. U.S. Army Corps of Engineers – Civil Works

### J. THE CURATORS OF THE UNIVERSITY OF MISSOURI (Host)

- K. Drake University
- L. Indiana University
- M. Iowa State University
- N. Lincoln University
- O. Southern Illinois University
- P. Missouri State University
- Q. University of Illinois
- R. University of Iowa
- S. University of Kansas
- T. University of Minnesota
- U. National Audubon Society, Inc. dba Audubon Missouri
- V. National Audubon Society, Inc. dba Audubon Minnesota
- W. Conservation Federation of Missouri
- X. Missouri Botanical Garden
- Y. National Mississippi River Museum and Aquarium
- Z. St. Mary's University of Minnesota
- AA. University of Notre Dame
- BB. Winona State University
- CC. National Great Rivers Research and Education Center
- DD. University of Memphis
- EE. Southeast Missouri State University
- FF. Saint Louis University**

**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.

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Karen Mouritsen  
State Director  
Eastern States Office

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Date

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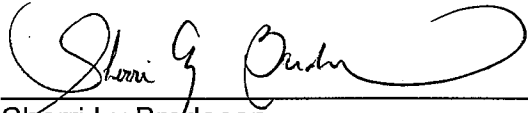
Eddie W. Bell, Jr.  
Grants Management Officer

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Date

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

B. U.S. Geological Survey



\_\_\_\_\_  
Sherri Ly Bredesen  
Contracting Officer

11/30/16  
Date

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

C. National Park Service

**JULIE  
HENDRICKS**



Digitally signed by JULIE  
HENDRICKS  
Date: 2016.11.28 09:09:36  
-06'00'

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Julie Hendricks  
Grants and Agreements Officer

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Date

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

D. U.S. Fish and Wildlife Service

 Digitally signed by DANIEL LOVDAHL  
Date: 2016.11.23 06:10:41 -06'00'

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Daniel D. Lovdahl  
Grants Management Specialist

November 23, 2016

Date

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

E. Natural Resources Conservation Service

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.

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Kasey Taylor  
Acting Deputy Chief S&T

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Date



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

F. U.S Forest Service



David Garrison  
Grants and Agreements Specialist  
Northern Research Station

12/01/16  
Date

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

G. Farm Service Agency

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.

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Joy Harwood  
Director, Economic and Policy Analysis Staff

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Date

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

H. Office of the Assistant Secretary of Defense  
(Energy, Installations, and Environment)

**DALSIMER.ALLYN.**  
**ANN.1284843602**

Digitally signed by  
DALSIMER.ALLYN.ANN.1284843602  
DN: c=US, o=U.S. Government, ou=DoD,  
ou=PKI, ou=OTHER,  
cn=DALSIMER.ALLYN.ANN.1284843602  
Date: 2016.11.23 14:05:16 -05'00'

\_\_\_\_\_  
Alison A. Dalsimer  
Director, DoD Natural Resources Program

\_\_\_\_\_  
Date

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

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

**WHITTEN.CHELSEA**  
**A.M.1139493768**

Digitally signed by  
WHITTEN.CHELSEA.M.1139493768  
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,  
ou=USA, cn=WHITTEN.CHELSEA.M.1139493768  
Date: 2016.11.28 13:02:22 -06'00'

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Chelsea Whitten  
Lead Contract Specialist  
ERDC Contracting Office

---

Date

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

J. The Curators of the University of Missouri (HOST)



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Karen M. Geren  
Authorized Signer, Grants and Contracts

01/11/2017

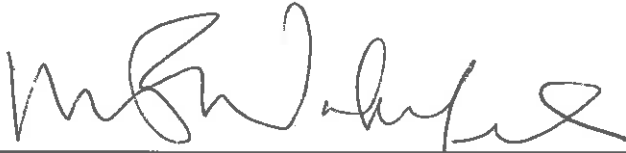
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Date

MU Project# C00043206

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

K. Drake University



12-13-16

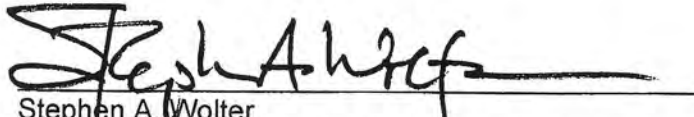
[Print Name]: Mary Pat Wphiford, Ph.D

Date

[Print Title]: Director, Research & Sponsored Programs

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Indiana University



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

12/06/2016  
Date



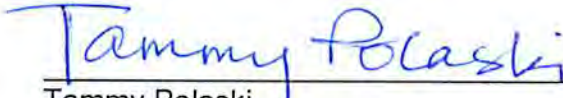
Teresa Miller  
Manager Grant Services


12/12/16  
Date

Anne Klarich  
Contract Officer

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Iowa State University

  
\_\_\_\_\_  
Tammy Polaski  
Associate Director  
Office of Sponsored Programs Administration

  
\_\_\_\_\_  
Date



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

N. Lincoln University

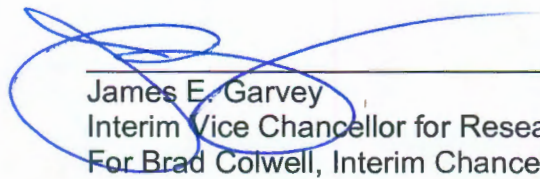


\_\_\_\_\_  
Name: Dr. Kevin D. Rome  
Title: President

\_\_\_\_\_  
Date 12/20/16

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


O. Southern Illinois University

  
\_\_\_\_\_  
James E. Garvey  
Interim Vice Chancellor for Research  
For Brad Colwell, Interim Chancellor

12/13/14  
Date

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

P. Missouri State University

  
\_\_\_\_\_  
Dr. James Baker  
Vice President, Research and Economic Development

12-14-16  
Date

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

Q. The Board of Trustees of the University of Illinois

Walter K. Knorr  
Walter K. Knorr  
Comptroller

7/11/17  
Date

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

R. University of Iowa

DocuSigned by:  
*Wendy Beaver*  
7A3F87C14F694DB...

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Wendy Beaver  
Executive Director  
Division of Sponsored Programs

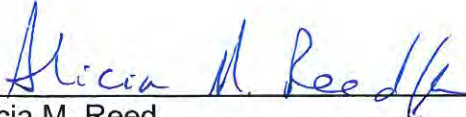
1/5/2017

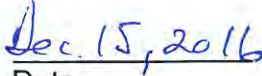
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Date

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

S. University of Kansas

  
\_\_\_\_\_  
Alicia M. Reed  
Interim Director, Research Administration

  
\_\_\_\_\_  
Date

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

T. University of Minnesota



\_\_\_\_\_  
Kevin McKoskey  
Director  
Office of Sponsored Projects Administration

1/5/17

\_\_\_\_\_  
Date

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

U. National Audubon Society, Inc. dba ~~Audubon Missouri~~

*Audubon Center at Riverlands*

*Ken A Buchholz*

*1-03-17*

~~Patricia Hagan, PhD  
Vice President/Executive Director, Audubon Missouri  
Executive Director, The Audubon Center at Riverlands~~

Date


*Ken Buchholz, Director  
Audubon Center at Riverlands*



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

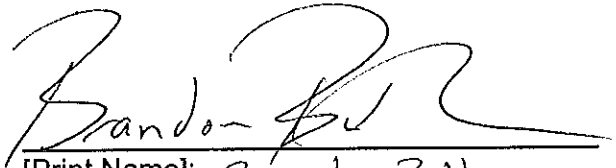
V. National Audubon Society, Inc. dba Audubon Minnesota

  
\_\_\_\_\_  
~~Matthew Anderson~~ Molly Pederson  
Executive Director

  
\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Conservation Federation of Missouri

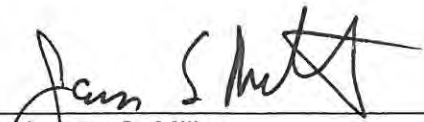
A handwritten signature in black ink, appearing to read "Brandon Butler", written over a horizontal line.

[Print Name]: Brandon Butler  
[Print Title]: Executive Director

12/20/16  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

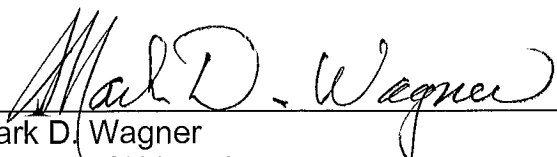
X. Missouri Botanical Garden

  
\_\_\_\_\_  
Dr. James S. Miller  
Senior Vice President, Science and Conservation

5 Dec 2014  
Date

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

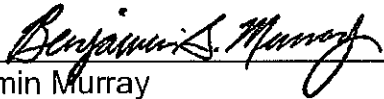
Y. National Mississippi River Museum and Aquarium

  
\_\_\_\_\_  
Mark D. Wagner  
Director of Education

12-15-2016  
Date

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


Z. St. Mary's University of Minnesota

  
\_\_\_\_\_  
Benjamin Murray  
Vice President for Financial Affairs

1-4-17  
Date

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

AA. University of Notre Dame

  
\_\_\_\_\_  
Greg Lutrell  
Director, Research Contracts and Awards

12/13/2016

Date

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

BB. Winona State University

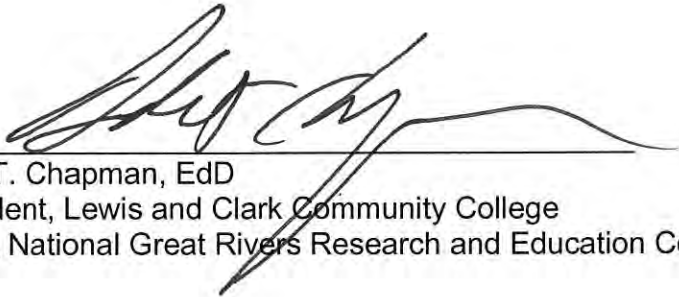


\_\_\_\_\_  
Charla S. Miertschin  
Dean, College of Science and Engineering

12/20/16  
Date

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

CC. National Great Rivers Research and Education Center



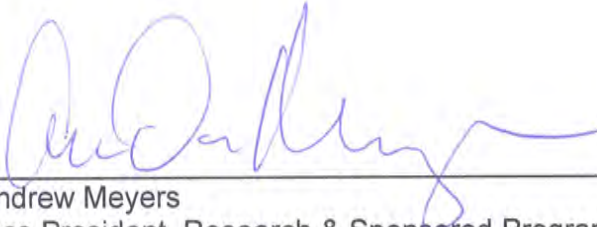
Dale T. Chapman, EdD  
President, Lewis and Clark Community College  
Chair, National Great Rivers Research and Education Center

12/3/16  
Date



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

DD. University of Memphis



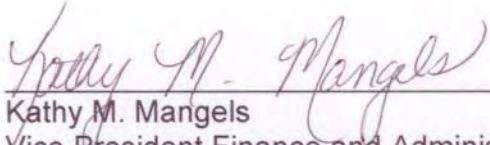
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Andrew Meyers  
Vice President, Research & Sponsored Programs

12/12/2016  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. Southeast Missouri State University

  
\_\_\_\_\_  
Kathy M. Mangels  
Vice President Finance and Administration

12/12/16  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES**

**FF. Saint Louis University**

**Kevin Leslie**

Digitally signed by Kevin Leslie  
DN: cn=Kevin Leslie, o=Saint Louis University,  
ou=Office of Sponsored Programs  
Administration, email=kleslie4@slu.edu, c=US  
Date: 2016.12.02 14:21:34 -06'00'

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Kevin S. Leslie, JD  
Assistant Director, OSPA

12/2/2016  
Date