

**COLORADO PLATEAU  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

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

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

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

and

**NORTHERN ARIZONA UNIVERSITY (HOST)  
Arizona State University  
Colorado State University  
Diné College  
Fort Lewis College  
Haskell Indian Nations University  
New Mexico State University  
Oregon State University  
University of Arizona  
University of Nevada-Reno  
Utah State University  
The Arboretum at Flagstaff  
Museum of Northern Arizona  
Mesa State College  
Southern Utah University**

**Center for Desert Archaeology  
Rocky Mountain Bird Observatory  
Weber State University  
University of New Mexico  
Navajo Nation  
Crow Canyon Archaeological Center  
University of Pennsylvania**

**Adding:**

**U.S. Army Corps of Engineers – Civil Works  
U.S. Fish and Wildlife Service**

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

**ARTICLE I. BACKGROUND AND OBJECTIVES**

A.1. The U.S. Army Corps of Engineers-Civil Works is hereby included in the Colorado Plateau CESU as a Federal Agency Partner under agreement # W912HZ-10-2-0004 for a cumulative amount not-to-exceed \$25,000,000.00.

A.2. The U.S. Fish and Wildlife Service is hereby included in the Colorado Plateau CESU as a Federal Agency partner under agreement # 60181AJ403.

L. The US Army Corp of Engineers – Civil Works (hereinafter called USACE-CW) provides assistance in the development and management in the nation's water resources. The main missions of USACE-CW, 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 Colorado Plateau 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).

M. The U.S. Fish and Wildlife Service (hereinafter call USFWS) working with others, is responsible for conserving, protecting, and enhancing fish, wildlife, plants and their

habitats for the continuing benefit of the American people through Federal programs related to migratory birds, endangered species, interjurisdictional fish and marine mammals, and inland sport fisheries. In accordance with the Fish and Wildlife Act of 1956 (16 U.S.C. 742f), the USFWS is authorized to enter into this cooperative agreement to continue the Colorado Plateau CESU to assist in providing research, technical assistance and education.

### **ARTICLE III. TERM OF AGREEMENT**

A.1. The effective date of the Colorado Plateau CESU Cooperative and Joint Venture Agreement is 18 June 2009.

A.3. The effective date of this amendment to the Colorado Plateau CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this amendment.

### **ARTICLE IV. KEY OFFICIALS**

A.8. The technical representative for the U.S. Army Corps of Engineers-Civil Works 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  
Phone: (601) 634-3182  
Fax: (601) 634-3664  
Al.F.Cofrancesco@usace.army.mil

Administrative Representatives:

Amanda Irwin Campbell  
Contract Specialist, ERDC Contracting Office  
U.S. Army Corps of Engineers  
Engineer Research and Development Center  
3909 Halls Ferry Road  
Vicksburg, MS 39180  
Phone: (601) 634-3944  
Fax: (601) 634-4885  
Amanda.I.Campbell@usace.army.mil

Michael G. Lee  
Grants Officer  
ERDC Contracting Office (ECO)  
3909 Halls Ferry Road  
Vicksburg, MS 39180-6199  
Phone: (601) 634-3903  
Fax: (601) 634-4885  
Michael.G.Lee@usace.army.mil

A.9. The technical representatives for the U.S. Fish and Wildlife Service are:

Al Pfister  
U.S. Fish and Wildlife Service  
Western Colorado Field Office  
764 Horizon Drive, Building B  
Grand Junction, CO 81506-3946  
Phone: (970)243-2778, ext. 29  
Fax: (970)245-6933  
Al\_Pfister@fws.gov

Patricia S. Gelatt  
U.S. Fish and Wildlife Service  
Western Colorado Field Office  
764 Horizon Dr, Bldg B  
Grand Junction CO 81506-3946  
Phone: (970) 243-2778 Ext. 26  
Fax: (970) 245-6933  
patty\_schradergelatt@fws.gov

## **ARTICLE V. AWARD**

A.1. Upon signature of all parties to this amendment, Department of the Army, US Army Corps of Engineers-Civil Works and U.S. Fish and Wildlife Service will each commit \$10,000 in funds to the Host University in furtherance of the Agreement, to be authorized by a modification issued against the Agreement.

## **ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES**

The following authorizing signatures are attached to this amendment:

### **DEPARTMENT OF THE INTERIOR**

- A. Bureau of Land Management
- B. U.S. Bureau of Reclamation
- C. U.S. Geological Survey

- D. National Park Service
- E. U.S. Fish and Wildlife Service**

DEPARTMENT OF AGRICULTURE

- F. USDA Forest Service
- G. Natural Resources Conservation Service

DEPARTMENT OF DEFENSE

- H. Office of the Deputy Under Secretary of Defense (Installations and Environment)
- I. U.S. Army Corps of Engineers – Civil Works**

J. NORTHERN ARIZONA UNIVERSITY (HOST)

- K. Arizona State University
- L. Colorado State University
- M. Diné College
- N. Fort Lewis College
- O. Haskell Indian Nations University
- P. New Mexico State University
- Q. Oregon State University
- R. University of Arizona
- S. University of Nevada-Reno
- T. Utah State University
- U. The Arboretum at Flagstaff
- V. Museum of Northern Arizona
- W. Mesa State College
- X. Southern Utah University
- Y. Center for Desert Archaeology
- Z. Rocky Mountain Bird Observatory
- AA. Weber State University
- BB. University of New Mexico
- CC. Navajo Nation
- DD. Crow Canyon Archaeological Center
- EE. University of Pennsylvania

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

**A. Bureau of Land Management**

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

10-29-09  
Date

Selma Sierra, State Director, BLM-UT  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

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

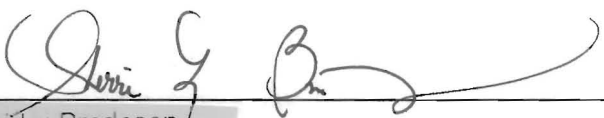
B. U.S. Bureau of Reclamation

Melinda Roberts  
[Print Name]: Melinda Roberts  
[Print Title]: Grants officer

10/1/09  
Date

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

C. U.S. Geological Survey

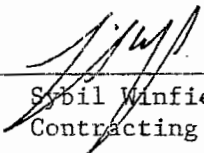
  
\_\_\_\_\_  
Sherri Ly Bredesen  
Contracting Officer

10/06/09  
Date



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

D. National Park Service Cooperative Agreement H2370094001

  
\_\_\_\_\_  
[Print Name]: Sybil Winfield  
[Print Title]: Contracting Officer

10/20/09  
Date

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

\_\_\_\_\_  
Date

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

**E. U.S. Fish and Wildlife Service**

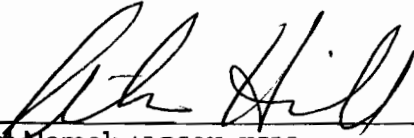
*Allan R. Pfister*

[Print Name]:  
[Print Title]: *Allan R. PFISTER*

*8/25/09*  
Date

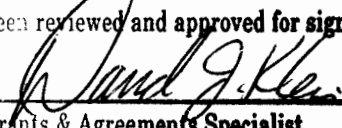
**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

F. USDA Forest Service



[Print Name]: ALISON HILL  
[Print Title]: Deputy Station Director

10/26/09  
Date

THE AUTHORITY AND FORMAT OF THIS INSTRUMENT HAS  
been reviewed and approved for signature.  
  
Grants & Agreements Specialist      10/16/09  
Date

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

G. Natural Resources Conservation Service

  
\_\_\_\_\_  
ELORIS D. SPEIGHT  
Acting Deputy Chief for Management

11-3-09 Date

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

H. Office of the Deputy Under Secretary of Defense (Installations and Environment)



\_\_\_\_\_  
Kenneth E. Goddard  
Grants Officer  
U.S. Army Engineering & Support Center- Huntsville

  
\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

*Michael A. Lee*

[Print Name]: MICHAEL G. LEE  
[Print Title]: GRANTS OFFICER

9 OCTOBER 2009  
Date

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

J. Northern Arizona University

  
\_\_\_\_\_

Wilma G. Ennenga  
Director of Grant and Contract Services

14 October 2009  
Date

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

K. Arizona State University



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

[Print Title]:

**Deborah N. Shaver**  
Director, Research Administration  
Arizona State University

10/27/09  
\_\_\_\_\_  
Date



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

L. Colorado State University

*CM Betty Eckert*  
\_\_\_\_\_  
[Print Name]:  
[Print Title]:

**Betty Eckert**  
**Associate Director, Sponsored Programs**

*11/13/09*  
\_\_\_\_\_  
Date

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

M. Diné College

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

\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Fort Lewis College

Stephen A. Rodenick  
[Print Name]: Stephen A. Rodenick  
[Print Title]: Provost

11/11/09  
Date

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

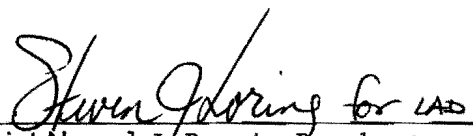
O. Haskell Indian Nations University

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

\_\_\_\_\_  
Date

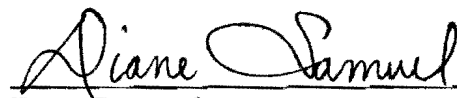
**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

P. New Mexico State University  
Agricultural Experiment Station

  
\_\_\_\_\_  
[Print Name]: LeRoy A. Daugherty  
[Print Title]: Associate Dean and Director

10/21/09  
Date

Regents of New Mexico State University  
Office of Grants and Contracts

  
\_\_\_\_\_  
for Neta Fernandez  
Director

10-23-09  
Date

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

Q. Oregon State University

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

\_\_\_\_\_  
Date

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

R. University of Arizona

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

\_\_\_\_\_  
Date

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

S. University of Nevada-Reno

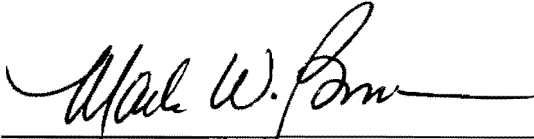
\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date



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

T. Utah State University



14 Oct 09  
Date

[Print Name]: Mark Brunson  
[Print Title]: CP-CESU Representative  
Department Head, Environment and Society

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

U. The Arboretum at Flagstaff

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

\_\_\_\_\_  
Date

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

V. Museum of Northern Arizona

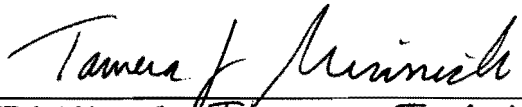


Robert Breunig, Director  
[Print Name]:  
[Print Title]:

10-15-09  
Date

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

W. Mesa State College

  
\_\_\_\_\_  
[Print Name]: Tamera J. Minnick  
[Print Title]: Assoc. Professor,  
CPCESU liason for MSC

11 Nov 09  
Date

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

**X. Southern Utah University**

*William F. O'NEILL*

*William J. O'Neill*

[Print Name]:

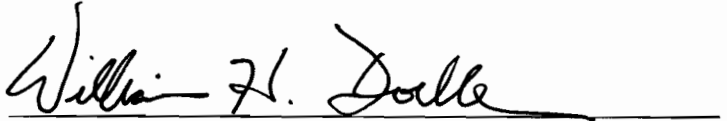
[Print Title]:

*DIRECTOR, SPONSORED RESEARCH & GRANTS*

*11/10/09*  
Date

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

Y. Center for Desert Archaeology

  
[Print Name]: WILLIAM H. DOELLE  
[Print Title]: PRESIDENT and CEO

11/10/09  
Date

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

Z. Rocky Mountain Bird Observatory

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

\_\_\_\_\_  
Date

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

AA. Weber State University

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

10/15/09  
Date

Melvin Carr, Director  
Office of Sponsored Projects



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

BB. University of New Mexico



[Print Name]: Thomas F. Turner

[Print Title]: Director, Museum of Southwestern Biology  
University of New Mexico

5 Nov 2009  
Date

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

CC. Navajo Nation

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

\_\_\_\_\_  
Date

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

DD. Crow Canyon Archaeological Center

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

\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. University of Pennsylvania



10-15-09  
Date

[Print Name]: FRANK G. MATERO

[Print Title]: PROFESSOR OF ARCHITECTURE

DIRECTOR, THE ARCHITECTURAL CONSERVATION LABORATORY