DESERt SWOTHEWST
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT FOUR to
COOPERATIVE and JOINT VENTURE AGREEMENT

between

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

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

ARIZONA BOARD OF REGENTS
THE UNIVERSITY OF ARIZONA (HOST)
  Howard University
  New Mexico State University
  Texas State University
  University of California–Riverside
  University of Texas at El Paso
  Universidad de Sonora
  Arizona-Sonora Desert Museum
  Sonoran Institute
  The Nature Conservancy
  Organization of American Historians
  Pima County and Pima County Regional Flood Control District
  Desert Southwest Bird Observatory
  University of Texas at Arlington
  Cornerstones Community Partnerships
  Rancho Santa Ana Botanic Garden
Adding:

Archaeology Southwest

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

ARTICLE I. BACKGROUND AND OBJECTIVES

L.3. Archaeology Southwest is hereby included in the Desert Southwest CESU as a Partner Institution.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Desert Southwest CESU Cooperative and Joint Venture Agreement is 07 October 2010.

A.2. The effective date of this amendment to the Desert Southwest 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 Archaeology Southwest is:

Linda Pierce
Deputy Director
Archaeology Southwest
300 N. Ash Alley
Tucson, AZ 85701
Phone: (520) 882-6946 ext. 23
lpierce@archaeologysouthwest.org
ARTICLE XV. 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. Bureau of Reclamation
C. U.S. Geological Survey
D. National Park Service
E. U.S. Fish and Wildlife Service

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

U.S. 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. ARIZONA BOARD OF REGENTS THE UNIVERSITY OF ARIZONA (HOST)
K. Howard University
L. New Mexico State University
M. Texas State University
N. University of California – Riverside
O. University of Texas at El Paso
P. Universidad de Sonora
Q. Arizona-Sonora Desert Museum
R. Sonoran Institute
S. The Nature Conservancy
T. Organization of American Historians
U. Pima County and Pima County Regional Flood Control District
V. Rocky Mountain Bird Observatory
W. University of Texas at Arlington
X. Cornerstones Community Partnerships
Y. Rancho Santa Ana Botanic Garden
Z. CyArk
AA. Western National Parks Association
BB. University of Utah
CC. Archaeology Southwest
ARTICLE XV. 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.

___________________________________ ______________
James G. Kenna  Date
State Director

___________________________________ ______________
Tom Bonner   Date
State Procurement Analyst
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Bureau of Reclamation

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.

Janice Richardson
Grants Officer
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey

[Signature]
Sherri Ly Bredesen
Contracting Officer

06/17/14 Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service

Tammy Whittington
Associate Regional Director
Resources/Science Advisor

[Signature]

5/27/14
Date

Andrew E. Lubner
Contracting Officer

[Signature]

5/19/14
Date

Kelvin A. Delaney
Financial Assistance Officer

[Signature]

5/22/14
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. U.S. Fish and Wildlife Service

[Signature]

Benjamin N. Tuggle, Ph.D.
Regional Director, Southwest Region

5/22/14
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Forest Service

[Signature]
Alison Hill
Program Manager

[Signature]
Date 5/9/14

This authority and format of this instrument have been reviewed and approved for signature.

[Signature]
LINDA MARSH
Grants Management Specialist

[Signature]
Date 5/16/14
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Natural Resources Conservation Service

Edward M. Biggs

GAYLE N. BARRY
Deputy Chief for Management

6/16/2014
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. 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.

Traci Robicheaux
Grants Officer
Representing ODUSD (I&E)

Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

[Signature]

Digitally signed by
SONTAG.DEANNDA.S.1230791909
DN: c=US, o=U.S. Government,
ou=DoD, ou=PKI, ou=USA,
cn=SONTAG.DEANNDA.S.1230791909
Date: 2014.05.08 14:53:17 -05'00'

8 May 2014

Deannda Sontag
Grants Officer
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Arizona Board of Regents - The University of Arizona

[Signature]
Lee Anne T. Peters
Contract Officer
Lewis Barbieri, Director
Office of Research and Contract Analysis

5/12/14
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Howard 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.

__________________________________________ ________
James A. Donaldson Date
Dean
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. The Regents of New Mexico State University

[Signature]
Neta Fernandez
Director, Office of Grants and Contracts

[Signature]
5/19/14
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Texas State University

[Signature]

W. Scott Erwin
Director, Sponsored Programs

[Date]
N. The Regents of the University of California, on behalf of its Riverside campus

\[\text{Signature}\]

Cynthia J. Wells  
Director, Sponsored Programs

5/9/2014  
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. University of Texas at El Paso

Dr. Roberto A. Osegueda
Vice President for Research

6-24-14
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. Universidad de Sonora

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.

__________________________________________
Heriberto Grijalva Monteverde
Rector

Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. Arizona-Sonora Desert Museum

Debra Colodner
Director, Conservation, Education and Science

6/20/14
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Sonoran Institute

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.

__________________________________________ ________
Donald L. Chatfield Date
Deputy Director, Operations
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. The Nature Conservancy

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.

Patrick J. Graham
State Director

Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. Organization of American Historians

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.

Katherine M. Finley  
Executive Director
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Pima County and Pima County Regional Flood Control District

[Signature]
John M. Bernal
Deputy County Administrator

[Date]
5/13/14
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. Rocky Mountain Bird Observatory

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.

__________________________________________ ________
Tammy VerCauteren Date
Executive Director
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. University of Texas at Arlington

[Signature]

Ronald L. Eisenbaumer Carolyn L. Cason
Vice President for Research and Federal Relations

[May 13, 2014] Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Cornerstones Community Partnership

[Signature]
Robin Jones
Executive Director

6/19/17
Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Rancho Santa Ana Botanic Garden

\[\text{Signature}\]

Patrick S. Larkin
Executive Director

Lucinda A. McDade, Ph.D.
Executive Director

8 May 2014
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. CyArk

______________________________   ________
Nancy Topp          Date
Finance and Business Manager

Elizabeth Lee
Vice President

May 9, 2014  Date
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Western National Parks Association

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.__________________________  ______________

James E. Cook  Date
Executive Director
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. University of Utah

[Signature]
Brent K. Brown
Director, Office of Sponsored Programs

[Date]
ARTICLE XV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. Archaeology Southwest

\[Signature\]  
William H. Doelle  
President and CEO  
5/7/14  
Date