

**CALIFORNIAN  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

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

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

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

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

**U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration**

and

**UNIVERSITY OF CALIFORNIA (HOST)  
(UC-Berkeley, UC-Davis, UC-Irvine, UC-Los Angeles, UC-Merced,  
UC-Riverside, UC-San Diego, UC-Santa Barbara, UC-Santa Cruz)  
San Francisco State University  
California State University, Fresno  
California State University, Los Angeles  
Cal Poly Corporation, California Polytechnic State University  
CSU, Chico Research Foundation, California State University, Chico  
Humboldt State University  
California State University, Northridge  
California State University, Stanislaus  
California Department of Fish and Game**

**California State University, Channel Islands  
The Institute for Bird Populations  
San Diego State University  
Institute for Wildlife Studies**

**Adding:  
Santa Barbara Botanic Garden**

With the exception of the changes below, all terms and conditions of the Californian Cooperative Ecosystem Studies Unit (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**

M.4. The Santa Barbara Botanic Garden is hereby included in the Californian CESU as a Partner Institution.

**ARTICLE III. TERM OF THE AGREEMENT**

- A.1. The effective date of the Californian CESU Cooperative and Joint Venture Agreement is 01 July 2008.
- A.3. The effective date of this Amendment to the Californian CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

**ARTICLE IV. KEY OFFICIALS**

C.14. The technical representative for the Santa Barbara Botanic Garden is:

Dr. Steve Windhager  
Santa Barbara Botanic Garden  
1212 Mission Canyon Road  
Santa Barbara, CA 93105  
Phone: (805) 682-4726 x123  
Fax: (805) 682-6953  
swindhager@sbbg.org

**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. Bureau of Reclamation
- C. U.S. Fish and Wildlife Service
- D. U.S. Geological Survey
- E. National Park Service
- F. Bureau of Ocean Energy Management

U.S. DEPARTMENT OF AGRICULTURE

- G. U.S. Forest Service
- H. Natural Resources Conservation Service

I. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

U.S. DEPARTMENT OF DEFENSE

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

U.S. DEPARTMENT OF COMMERCE

- L. National Oceanic and Atmospheric Administration

M. UNIVERSITY OF CALIFORNIA (HOST)

- N. San Francisco State University
- O. California State University, Fresno
- P. California State University, Los Angeles
- Q. Cal Poly Corporation, California Polytechnic State University
- R. CSU, Chico Research Foundation, California State University, Chico
- S. Humboldt State University
- T. California State University, Northridge
- U. California State University, Stanislaus
- V. California Department of Fish and Game
- W. California State University, Channel Islands
- X. The Institute for Bird Populations
- Y. San Diego State University
- Z. Institute for Wildlife Studies
- AA. Santa Barbara Botanic Garden**

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

**A. Bureau of Land Management**

*Angie Lars*  
\_\_\_\_\_  
**James G. Kenna**  
**State Director**

*3/15/12*  
**Date**

*per*

*Traci D. Thaler*  
\_\_\_\_\_  
**Traci D. Thaler**  
**Assistance Officer**

*3/16/2012*  
**Date**

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

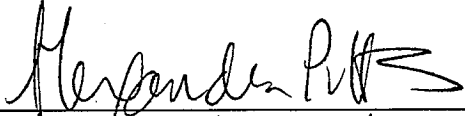
B. Bureau of Reclamation

  
Bryant Lyndaker  
Financial Assistance Branch Chief

3-2-2012  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Fish and Wildlife Service

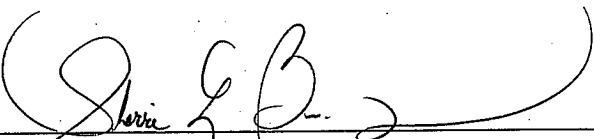


[Print Name]: Alexandra Pitts  
[Print Title]: Deputy Regional Director

3.16.2012  
Date

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

D. U.S. Geological Survey



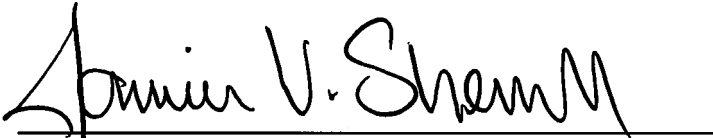
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Sherri Ly Bredesen  
Contracting Officer

03/05/12  
Date

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

E. National Park Service



Jamie V. Sherrill  
Contracts/Agreements Team Leader

3/12/2012  
Date



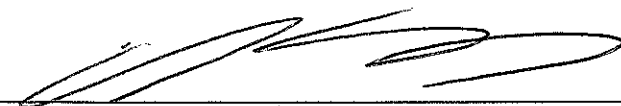
Christine S. Lehnertz  
Regional Director  
Pacific West Region

3/15/12  
Date



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

F. Bureau of Ocean Energy Management

  
\_\_\_\_\_  
[Print Name]: Rodney Cluck  
[Print Title]: Chief, Environmental Science Division

3/2/2012  
Date

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

G. U.S. Forest Service



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ALEXANDER L. FRIEND  
Acting Station Director

3/21/2012

Date

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

H. Natural Resources Conservation Service

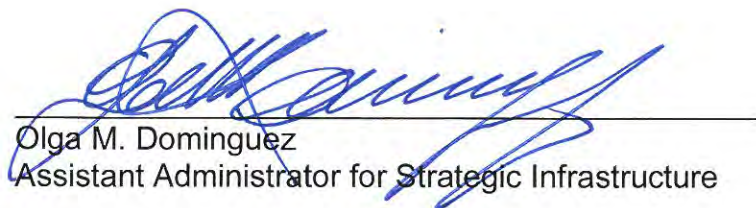
Per Article III, C: If a Partner has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Eloris D. Speight  
Deputy Chief for Management

\_\_\_\_\_  
Date

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


I. National Aeronautics and Space Administration

  
\_\_\_\_\_  
Olga M. Dominguez  
Assistant Administrator for Strategic Infrastructure

3/30/12  
Date

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

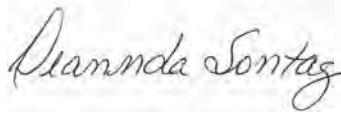
J. Office of the Deputy Under Secretary of Defense (Installations and Environment)

  
\_\_\_\_\_  
Leslie E. Guy  
Grants Officer Representing ODUSD (I&E)

*26 MAR 12*  
Date

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

**K. U.S. Army Corps of Engineers – Civil Works**



Digitally signed by  
SONTAG.DEANNDAS.1230791909  
DN: c=US, o=U.S. Government,  
ou=DoD, ou=PKI, ou=USA,  
cn=SONTAG.DEANNDAS.1230791909  
Date: 2012.03.15 08:54:17 -05'00'

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Deanna Sontag  
Grants Officer

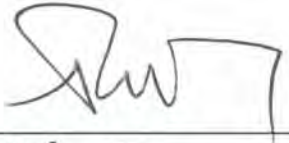
15 Mar 2012

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Date

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

L. National Oceanic and Atmospheric Administration



[Print Name]: FRANCISCO WERNER  
[Print Title]: DIRECTOR, SWFSC  
(NOAA, NMFS)

15 MAR 2012  
Date

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

M. UNIVERSITY OF CALIFORNIA (HOST), systemwide authorization

  
\_\_\_\_\_  
[Print Name]: LOURDES G. DeMATTO  
[Print Title]: CONTRACT AND GRANT OFFICER

3-7-12  
Date



ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. San Francisco State University



\_\_\_\_\_

[Print Name]:

[Print Title]:

**Alison Sanders  
Director, ORSP**

3/28/12

Date

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

O. California State University, Fresno



\_\_\_\_\_  
[Print Name]: Thomas McClanahan  
[Print Title]: Associate Vice President, ORSP

3/8/12  
Date

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

P. California State University, Los Angeles

Per Article III, C: If a Partner 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.)**

Q. Cal Poly Corporation, California Polytechnic State University

  
\_\_\_\_\_  
[Print Name]: Melissa Mullen  
[Print Title]:  Sponsored Programs Manager

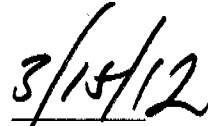
3/16/2012  
Date

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

R. CSU, Chico Research Foundation, California State University, Chico



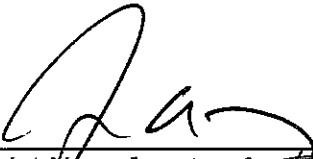
\_\_\_\_\_  
E. K. Park  
Vice Provost for Research



\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Humboldt State University

  
\_\_\_\_\_  
[Print Name]: ~~STEVEN A. SMITH~~  
[Print Title]: DEAN, College of Natural  
Resources & Sciences

3-27-12  
Date

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

T. California State University, Northridge

Per Article III, C: If a Partner 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.)**

U. California State University, Stanislaus

Per Article III, C: If a Partner 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]:

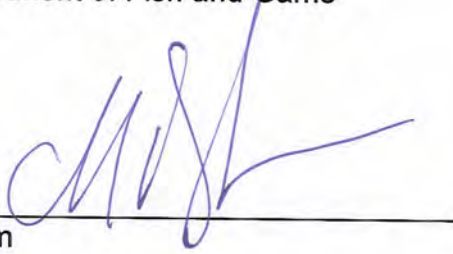
[Print Title]:

\_\_\_\_\_  
Date



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

V. California Department of Fish and Game

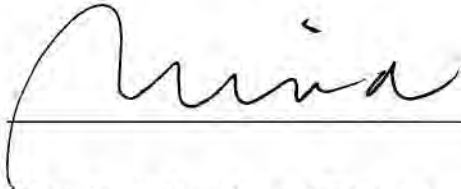


\_\_\_\_\_  
Charlton H. Bonham  
Director

3/14/12  
\_\_\_\_\_  
Date

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

W. California State University, Channel Islands



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[Print Name]: Ysabel Trinidad

Date: March 29, 2012

[Print Title]: Vice President, Finance and Administration

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

X. The Institute for Bird Populations




[Print Name]: Rodney Siegel  
[Print Title]: Executive Director

3-2-12  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. San Diego State University

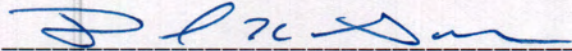
A handwritten signature in cursive script, appearing to read "Rebecca Lewison", written over a horizontal line.

[Print Name]: Rebecca Lewison  
[Print Title]: Associate Professor, Biology

3/13/12  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Institute for Wildlife Studies



[Print Name]: DAVID GARCELON  
[Print Title]: President


3/3/12

Date



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

**AA. Santa Barbara Botanic Garden**

  
\_\_\_\_\_  
Steve Windhager, Ph.D.  
Executive Director

2-29-2012  
Date