

**PACIFIC NORTHWEST
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

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

**DEPARTMENT OF AGRICULTURE
Forest Service
Natural Resource Conservation Service**

and

**UNIVERSITY OF WASHINGTON (HOST)
Heritage University
Oregon State University
Portland State University
Southern Oregon University
Tuskegee University
University of Alaska – Anchorage
University of Alaska – Southeast
University of British Columbia
University of Idaho
University of Oregon
University of Vermont
Washington State University
Western Washington University
Alaska Department of Fish and Game
Oregon Institute of Technology
St. Mary's University of Minnesota
Eastern Washington University**

Adding

**DEPARTMENT OF THE ARMY
US Army Corps of Engineers – Civil Works**

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

ARTICLE I. BACKGROUND AND OBJECTIVES

A.3. The US Army Corps of Engineers-Civil Works (USACE-CW) is included in the Pacific Northwest CESU as a Federal Agency Partner under agreement number W912HZ-08-2-0002 for a cumulative amount not-to-exceed \$25,000,000.00.

I. 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 Pacific Northwest 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).

ARTICLE II. STATEMENT OF WORK

D.6.a. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (US Army Corps of Engineers-Civil Works).

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Pacific Northwest CESU Cooperative and Joint Venture Agreement is 21 October 2005.

A.2. The effective date of this amendment to the Pacific Northwest CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this amendment.

ARTICLE IV. KEY OFFICIALS

A.9. The technical representatives for the Department of the Army, US Army Corps of Engineers-Civil Works are:

Dr. 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@erdc.usace.army.mil

Administrative Representatives:

Amanda Irwin Campbell
Contract Specialist
ERDC Contracting Office (ECO)
3909 Halls Ferry Road, Attn: CEERD-CT
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)
4155 Clay Street
Vicksburg, MS 39183
Phone: 601-631-7254
Fax: 601-631-7263
mike.g.lee@mvk02.usace.army.mil

ARTICLE I. ARTICLE V. AWARD

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

A.2. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (US Army Corps of Engineers-Civil Works).

ARTICLE VI. PRIOR APPROVAL

A.1. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (US Army Corps of Engineers-Civil Works).

ARTICLE VII. REPORTS AND DELIVERABLES

A.1. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (US Army Corps of Engineers-Civil Works).

ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION

A.1. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (US Army Corps of Engineers-Civil Works).

ARTICLE II.

ARTICLE IX. TERMINATION

A.1. Also, in accordance with 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323a, 10 U.S.C. 3036(d), and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations (US Army Corps of Engineers-Civil Works).

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. U.S. Bureau of Reclamation
- C. U.S. Fish and Wildlife Service
- D. U.S. Geological Survey
- E. Minerals Management Service
- F. National Park Service

U.S. DEPARTMENT OF AGRICULTURE

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

U.S. DEPARTMENT OF THE ARMY

- I. **U.S. Corps of Engineers – Civil Works**

- J. UNIVERSITY OF WASHINGTON

- K. Heritage University
- L. Oregon State University
- M. Portland State University
- N. Southern Oregon University
- O. Tuskegee University
- P. University of Alaska – Anchorage
- Q. University of Alaska – Southeast
- R. University of British Columbia
- S. University of Idaho
- T. University of Oregon
- U. University of Vermont
- V. Washington State University
- W. Western Washington University
- X. Alaska Department of Fish and Game
- Y. Oregon Institute of Technology
- Z. St. Mary's University of Minnesota
- AA. Eastern Washington University

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

[Print Name]:
[Print Title]:

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Bureau of Reclamation

[Print Name]:
[Print Title]:

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

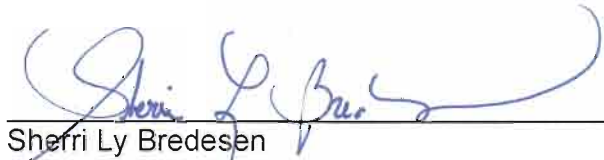
C. U.S. Fish and Wildlife Service

David J. Wesley
Deputy Regional Director

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey



Sherri Ly Bredesen



Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Minerals Management Service

[Print Name]:
[Print Title]:

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. National Park Service

Jamie V. Sherrill
Contracting Officer

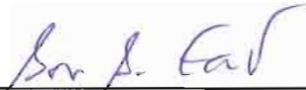
Date

Jonathan B. Jarvis
Regional Director, Pacific West Region

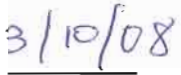
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. USDA Forest Service



Dr. Bob B. Eav
Director, Pacific Northwest Research Station



Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service

Dwight Holman
Deputy Chief for Management

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Michael D. Lee

[Print Name]:

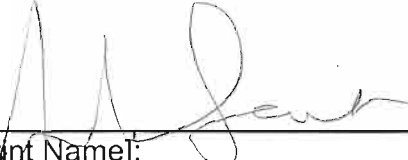
[Print Title]:

20 FEBRUARY 2008

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. UNIVERSITY OF WASHINGTON (HOST)



[Print Name]:
[Print Title]:

Joel Series
Interim Associate Director
Acting for Lynne Chronister

Lynne Chronister
Director
Office of Sponsored Programs

3/11/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Heritage University



3/27/08

snjm

[Print Name]: Kathleen A. Ross, snjm, Ph.D.

[Print Title]: President

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Oregon State University



[Print Name]:

[Print Title]:

3/14/08
Date

Patricia A. Hawk
Interim Director, Sponsored Programs
Contracting Officer

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Portland State University



[Print Name]: Martha Kierstead
[Print Title]: Contract Officer

3/12/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Southern Oregon University

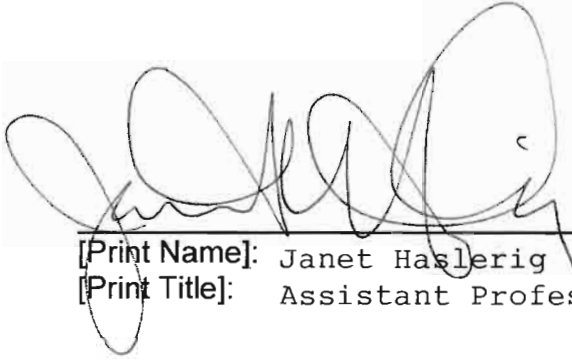


[Print Name]: Elizabeth Sunitsch
[Print Title]: Associate Director of
Business Services

3/14/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Tuskegee University



[Print Name]: Janet Haslerig
[Print Title]: Assistant Professor

3/31/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Alaska – Anchorage

Carol Weatherby
[Print Name]:
[Print Title]: Director Grants & Contracts

3-10-08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Alaska – Southeast

Barbara Hyde
[Print Name]:
[Print Title]:

04/07/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of British Columbia



[Handwritten signature]

[Print Name]:

[Print Title]:

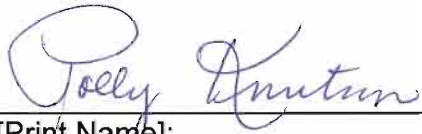
MARIO A. KASAPI
Acting Associate Director
University - Industry Liaison Office

March 19/08

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Idaho



[Print Name]:

[Print Title]:

Polly J. Knutson, Interim Director
Office of Sponsored Programs
University of Idaho

3/11
abc

3/11/08

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Oregon

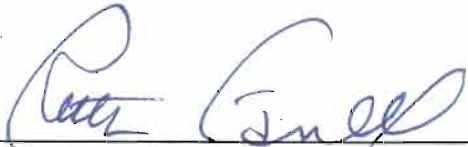


[Print Name]: Paula J. Roberts
[Print Title]: Associate Vice President for Research
and Director, Office of Research
Services & Administration

03/12/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. University of Vermont



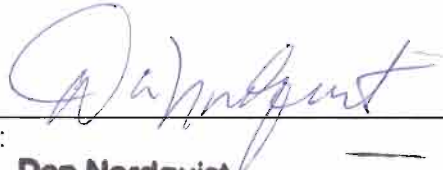
[Print Name]: **Ruth Ferrell, Associate Vice President**
[Print Title]: **for Research Administration**

MAR 19 2008

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. Washington State University



[Print Name]:

[Print Title]:

Dan Nordquist
Director, Authorized Int. Official
Office of Grant and
Research Development

3/23/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Western Washington University



[Print Name]: Moheb A. Ghali
[Print Title]: Vice Provost for Research

3/13/08
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Alaska Department of Fish and Game


[Print Name]:

[Print Title]:

Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Oregon Institute of Technology



[Print Name]: William R. Nettles

[Print Title]: V. P. Finance and Administration



Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. St. Mary's University of Minnesota



[Print Name]: Barry Drazkowski
[Print Title]: Director, GeoSpatial Services
Saint Mary's University of Minnesota

March 11, 2008
Date

ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Eastern Washington University



Ruth Galm
Executive Director
Office of Grant and Research Development

3/17/08

Date