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
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 Corps 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

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 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]:  Date
[Print Title]:
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Fish and Wildlife Service

David J. Wesley
Deputy Regional Director
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey

[Signature]
Sherri Ly Bredesen

[03/02/08] Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Minerals Management Service

______________________________  __________________
[Print Name]:                      Date
[Print Title]:
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. National Park Service

__________________________________________   __________
Jamie V. Sherrill         Date
Contracting Officer

__________________________________________   __________
Jonathan B. Jarvis        Date
Regional Director, Pacific West Region
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. USDA Forest Service

[Signature]
Dr. Bob B. Fay
Director, Pacific Northwest Research Station

3/10/08
Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service

__________________________________________   ________
Dwight Holman         Date
Deputy Chief for Management
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

[Print Name]:
[Print Title]:

29 February 2008
Date.
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. UNIVERSITY OF WASHINGTON (HOST)

[Print Name]:
[Print Title]:

Joel Soder
Interim Associate Director
Acting for Lynne Chronister

Lynne Chronister
Director
Office of Sponsored Programs

Date: 3/11/08
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Heritage University

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

3/27/08

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Oregon State University

[Print Name]:
[Print Title]:

Patricia A. Hawk
Interim Director, Sponsored Programs
Contracting Officer

Date
3/14/08
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Portland State University

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

Date: 3/12/08
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Southern Oregon University

[Signature]

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

3/14/08 Date
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]: Director Grants & Contracts

Date 3-10-08
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Alaska – Southeast

[Print Name]:
[Print Title]:

Barbara Hyde

Date 04/07/09
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of British Columbia

[Print Name]:
MARIO A. KASAPI
Acting Associate Director
University - Industry Liaison Office

[Print Title]:

March 19, 08
Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Idaho

[Print Name]
Polly J. Knutson, Interim Director
Office of Sponsored Programs
University of Idaho

[Print Title]

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

[Signature]

Date: 03/12/08
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. University of Vermont

[Print Name]: Ruth Farrell, Associate Vice President for Research Administration

[Print Title]:

Date: MAR 19 2008
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

[Signature]

[Date]: 3/13/08
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Western Washington University

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

Date: 3/13/08
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: 3/18/2008
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

[Signature]
Ruth Galm
Executive Director
Office of Grant and Research Development

3/17/08
Date