PACIFIC NORTHWEST
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT TWO 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 Resources 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

Adding

St. Mary’s University of Minnesota
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.1. St. Mary's University of Minnesota is included in the Pacific Northwest CESU as a Partner Institution.

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.8. The technical representative for St. Mary's University of Minnesota is as follows:

Barry Drackowski  
Director, GeoSpatial Services  
Department of Resource Analysis  
St. Mary's University of Minnesota  
360 Vila  
Winona, Minnesota  55987-2440  
Phone: 507 457 6925  
Fax: 507 457 6925  
bdrazkow@smumn.edu

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

Pacific Northwest CESU,
I. UNIVERSITY OF WASHINGTON
J. Heritage University
K. Oregon State University
L. Portland State University
M. Southern Oregon University
N. Tuskegee University
O. University of Alaska – Anchorage
P. University of Alaska – Southeast
Q. University of British Columbia
R. University of Idaho
S. University of Oregon
T. University of Vermont
U. Washington State University
V. Western Washington University
W. Alaska Department of Fish and Game
X. Oregon Institute of Technology
Y. St. Mary's University of Minnesota
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]  
Director, Research and Development  

Date

Pacific Northwest CESU,
C. U.S. Fish and Wildlife Service

[Print Name]: David J. Wesley
[Print Title]: Deputy Regional Director

Date: 10/2/06

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey

[Print Name]:
[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Minerals Management Service

[Print Name]:
[Print Title]:

Date

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. National Park Service

[Print Name]: Jamie V. Sherrill  
[Print Title]: Contracting Officer

[Signature]

[Print Name]: Jonathan B. Jarvis  
[Print Title]: Regional Director, Pacific West Region

[Signature]

9/5/06  
Date

9/5/xx  
Date

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Forest Service

\[\text{Signature}\]
Dr. Bov B. Eav
Director, Pacific Northwest Research Station

Date: 9/25/06
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service

Dwight Holman
Deputy Chief for Management

Date

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. University of Washington

Carol Zuiches:  
Assistant Vice Provost for Research:  

Date  
10/20/06
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Heritage University

[Signature]
Kathleen A. Ross, snjm, Ph.D.
President

Date 8-1-06

Pacific Northwest CESU.
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Oregon State University

[Signature]

[Print Name]:

[Print Title]:

Date:

8/15/06

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Portland State University

[Signature]

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

[Date]: July 13, 2006

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Southern Oregon University

[Print Name]:
[Print Title]:

JAMES E. MAIN
VICE PRESIDENT OF FINANCE AND ADMINISTRATION

7/19/06
Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Tuskegee University

[Signature]

[Print Name]: Janet Haslett
[Print Title]: Associate Professor

Date: 8/02/06

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. University of Alaska – Anchorage

[Signature]

[Print Name]:
[Print Title]:

Dr Andy (Anaru) Kliskey
Associate Professor
Resilience & Adaptive Management Group
Department of Biological Sciences and
Department of Geography & Environmental Studies
University of Alaska Anchorage
EBL 115, 3151 Alumni Loop
Anchorage, Alaska 99508
USA
Phone: 907-7861136 / Fax: 907-7861314
Email: afadk@uaa.alaska.edu

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Alaska – Southeast

[Print Name]: Brendan P. Kelly
[Print Title]: Vice Provost for Research

7 August 2008
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of British Columbia

[Print Name]: Mario Kaspar
[Print Title]: ACTING ASSOCIATE DIRECTOR
UNIVERSITY - INDUSTRY LIAISON

Date: Sep 12/06

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of Idaho

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

Date: 7/12/06

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Oregon

[Print Name]: Frances Broun
[Print Title]: Dean, School of Architecture & Allied Arts

[Signature]

1/23/06

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Vermont

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

AUG 23 2006
Date

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Washington State University

[Signature]

[Print Name]: Dan Nordquist
[Print Title]: Director, Authorized Institutional Official

[Date]: 11/1/06

Pacific Northwest CESU
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. Western Washington University

Geri Walker
Director, Office of Research and Sponsored Programs

8/22/06
Date

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Alaska Department of Fish and Game

Wayne L. Regelin

Wayne Regelin, Deputy Commissioner

Aug 16, 2006

Date

[Print Name]:
[Print Title]:

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Oregon Institute of Technology

[Print Name]: William R. Nettles
[Print Title]: Vice President of Finance and Administration

Date 8/16/2006

Pacific Northwest CESU,
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. St. Mary's University of Minnesota

James M. Bedtk
James M. Bedtk

[Print Name]:
[Print Title]:
Vice President
Graduate and special programs.

6/2/06
Date

Pacific Northwest CESU