PACIFIC NORTHWEST
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT ONE 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

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

  Adding the
  Minerals Management Service
  Oregon Institute of Technology
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. The Minerals Management Service is included in the Pacific Northwest CESU as a Federal Agency partner under Agreement # ________________.

K.1. The Oregon Institute of Technology is included in the Pacific Northwest CESU as a Partner Institution.

L. Department of the Interior (DOI) Secretarial Order No. 3071 established the Minerals Management Service (hereinafter called MMS) in 1982 with responsibility for managing the Nation’s oil, natural gas, and other mineral resources on the Federal Outer Continental Shelf (OCS) and the mineral revenues from OCS, Federal, and Indian lands as authorized by the OCS Lands Act (OCSLA) (43 U.S.C. 1331-1356). The MMS manages the mineral resources on 1.76 billion acres of the OCS to ensure that the U.S. government receives fair market value for acreage made available for leasing and manages any oil and gas activities to conserve resources, operate safely, and protect the coastal and marine environment. In addition to OCSLA, numerous laws, but particularly NEPA, provide the basis for environmental assessment and study of impacts associated with OCS related activities. OCSLA Section 1346 mandates the conduct of environmental and socioeconomic studies needed for the assessment and management of environmental impacts on the human, marine, and coastal environments which may be affected by oil and gas or other mineral development. It further states that the Secretary may by agreement utilize, with or without reimbursement, the services, personnel, or facilities of any Federal, State, or local government agency. OCSLA Section 1345 authorizes the use of cooperative agreements with affected States to meet the requirements of OCSLA, including sharing of information, joint utilization of available expertise, formation of joint monitoring arrangements to carry out applicable Federal and State laws, regulations, and stipulations relevant to outer Continental Shelf operations both onshore and offshore. The Energy Policy Act of 2005 amended the OCS Lands Act to give authority to the Department of the Interior to coordinate the development of an alternative energy program on the OCS and also to coordinate the energy and non-energy related uses in areas of the OCS where traditional oil and natural gas development already occurs. MMS may use, as appropriate, the aforementioned authorities for specific activities under this agreement.

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 MMS is as follows:

Cleveland Cowles
Chief, Environmental Studies Section
3801 Centerpoint Drive, Suite 500
Anchorage, AK 99503
Phone: (907) 334-5281
Fax: (907) 334-5242
Cleveland.Cowles@mms.gov

C.15. The technical representative for the Oregon Institute of Technology is as follows:

Dr. Lawrence W. Powers
Professor of Natural Sciences
Department of Natural Sciences
Oregon Institute of Technology
Klamath Falls, OR 97601
Phone: (541) 885-1183
Fax: (541) 851-5050
powersl@oit.edu

ARTICLE V. AWARD
A.1. Upon signature of all parties to this amendment, MMS 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.

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

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
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

__________________________________________   Date
[Print Name]
Director, Research and Development
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Fish and Wildlife Service

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

D. U.S. Geological Survey

_____________________________   
[Print Name]:   Date

_____________________________   
[Print Title]:   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

__________________________________________
[Print Name]:

[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Forest Service

_________________________ _______________________
Dr. Thomas Quigley             Date
Director, Pacific Northwest Research Station
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. University of Washington

______________________________
[Print Name]:

______________________________
[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Heritage University

__________________________________________________________________________  
[Print Name]:  
[Print Title]:  

   Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Oregon State University

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

L. Portland State University

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

M. Southern Oregon University

______________________________
[Print Name]:

[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Tuskegee University

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

O. University of Alaska – Anchorage

[Print Name]:
[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Alaska – Southeast

__________________________________________
[Print Name]:

[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of British Columbia

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

R. University of Idaho

__________________________________________
[Print Name]:
[Print Title]:

__________________________________________
Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Oregon

________________________________________
[Print Name]:
[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Vermont

__________________________________________  __________
[Print Name]:                                    Date

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

U. Washington State University

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

V. Western Washington University

__________________________________________

[Print Name]:
[Print Title]:

Date
ARTICLE XIII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Alaska Department of Fish and Game

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

X. Oregon Institute of Technology

__________________________________________

[Print Name]:

[Print Title]:

Date