

**ROCKY MOUNTAINS
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. Geological Survey
National Park Service**

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

and

**THE UNIVERSITY OF MONTANA – MISSOULA (HOST)
Colorado State University
Montana State University
Salish Kootenai College
University of Colorado (at Boulder)
University of Colorado (at Denver and Health Sciences Center)
University of Idaho
University of Wyoming
Utah State University
Washington State University
University of Northern Colorado
University of Calgary**

Adding the

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

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

ARTICLE I. BACKGROUND AND OBJECTIVES

A.2. The US Army Corps of Engineers-Civil Works (USACE-CW) is included in the Rocky Mountains CESU as a Federal Agency Partner under agreement number W912HZ-08-2-0006 for a cumulative amount not-to-exceed \$25,000,000.00.

K. 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 Rocky Mountains 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 Rocky Mountains CESU Cooperative and Joint Venture Agreement is 29 May 2004.

A.3. The effective date of this amendment to the Rocky Mountains CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this amendment.

ARTICLE IV. KEY OFFICIALS

A.7. The technical representative for the Department of the Army, US Army Corps of Engineers-Civil Works is:

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 V. AWARD

A.3. 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.4. 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/OR 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 XII. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this amendment:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. U.S. Bureau of Reclamation
- C. U.S. Geological Survey
- D. National Park Service

U.S. DEPARTMENT OF AGRICULTURE

- E. USDA Forest Service
- F. Natural Resources Conservation Service

U.S. DEPARTMENT OF THE ARMY

G. US Army Corps of Engineers-Civil Works

H. THE UNIVERSITY OF MONTANA – MISSOULA

- I. Colorado State University
- J. Montana State University
- K. Salish Kootenai College
- L. University of Colorado (at Boulder)
- M. University of Colorado (at Denver and Health Sciences Center)
- N. University of Idaho

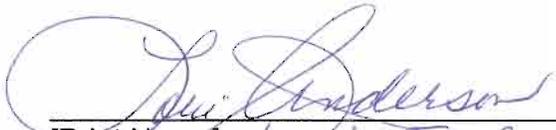
- O. University of Wyoming
- P. Utah State University
- Q. Washington State University
- R. University of Northern Colorado
- S. University of Calgary

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management


[Print Name]: Gene R. Teeland
[Print Title]: State Director

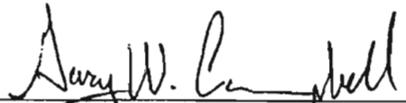
3/6/2008
Date


[Print Name]: Lori J. Anderson
[Print Title]: Grants Management Officer

3/6/08
Date

ARTICLE XII - AUTHORIZING SIGNATURES (cont.)

B. U.S. Bureau of Reclamation



[Print Name]: **Gary W. Campbell**
[Print Title]: Deputy Regional Director

3/7/08
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

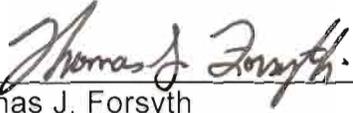
C. U.S. Geological Survey

[Print Name]:
[Print Title]:

Date

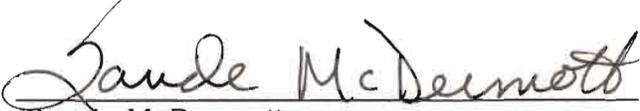
ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service



Thomas J. Forsyth
Contracting Officer
Intermountain Region

3/6/08
Date



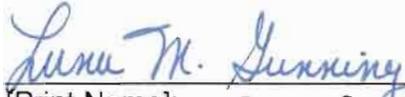
Sande McDermott
Acting Associate Regional Director
Resource Stewardship and Research
Intermountain

3/7/08
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service

Cooperative Agreement H2380040001
Amendment 4



[Print Name]: Lorna Gunning
[Print Title]: Contracting Officer


Date

[Print Name]:
[Print Title]:

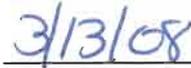
Date

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. U.S.D.A. Forest Service AGREEMENT NUMBER 04-JV-11221614-186



[Print Name]: ALISON HILL
[Print Title]: DEPUTY DIRECTOR
ROCKY MOUNTAIN RESEARCH STATION

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. Natural Resources Conservation Service

Bruce I. Knight
Chief

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Michael D. Lee

[Print Name]:

[Print Title]:

20 FEBRUARY 2008

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. The University of Montana – Missoula

Patricia A. Bristol
Sponsored Programs Manager

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. Colorado State University

[Print Name]:

[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Montana State University



3/10/08

[Print Name]: Thomas McCoy
[Print Title]: Vice President for Research

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

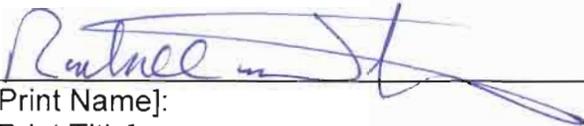
K. Salish Kootenai College

[Print Name]:
[Print Title]:

Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. University of Colorado (at Boulder)



[Print Name]:
[Print Title]:

3/10/08
Date

Randall W. Draper, Ph.D., Director
Office of Contracts and Grants

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. University of Colorado (at Denver and Health Sciences Center)

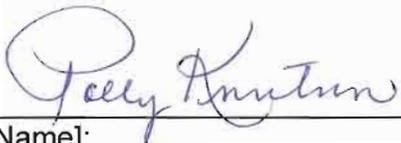


[Print Name]: Lynette Michael
[Print Title]: Director, Sponsored Programs

3/24/08
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. University of Idaho



3/10/08

[Print Name]:

Date

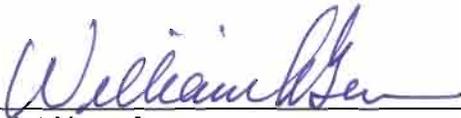
[Print Title]:

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

acc 3/10

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

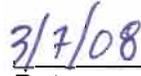
O. University of Wyoming



[Print Name]:

[Print Title]:

William A. Gern
Vice President for
Research and Economic Development
University of Wyoming



Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. Utah State University



[Print Name]:
[Print Title]:

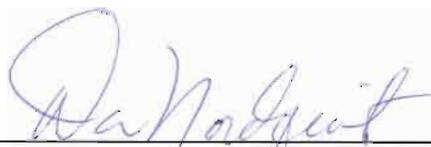
R. David Paul
Director
Sponsored Programs Office

UD 3/7/08

3/7/08
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. Washington State University

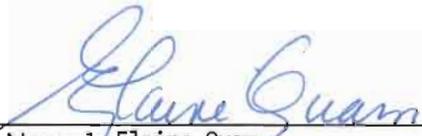


[Print Name]:
[Print Title] **Dan Nordquist**
 Director, Authorized Int. Official
 Office of Grant and
 Research Development

3/13/08
Date

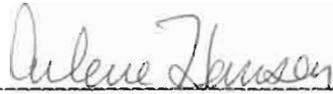
ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. University of Northern Colorado



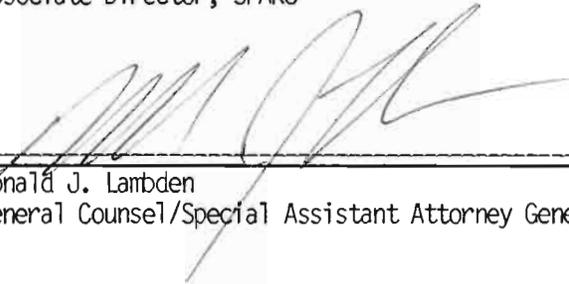
[Print Name] Elaine Quam
[Print Title] Executive Assistant to the President

3-24-08
Date



Arlene Hansen
Associate Director, SPARC

3/19/08
Date



Ronald J. Lambden
General Counsel/Special Assistant Attorney General

3-24-08
Date

ARTICLE XII. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Calgary

		<u>2008 03 24</u>
[Print Name]:	Dr. Rose Goldstein	Date
[Print Title]	Vice-President (Research)	