

**GULF COAST
COOPERATIVE ECOSYSTEM STUDIES UNIT**

AMENDMENT FIVE TO COOPERATIVE & JOINT VENTURE AGREEMENT

between

**DEPARTMENT OF THE INTERIOR
Bureau of Land Management
U.S. Geological Survey
National Park Service**

**DEPARTMENT OF AGRICULTURE
Natural Resources Conservation Service
U.S. Forest Service (Southern Research Station)**

**DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense
(Installations and Environment)**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

and

TEXAS A&M UNIVERSITY (HOST)

**Auburn University
Grambling State University
Louisiana State University
Mississippi State University
Rice University
Southern University and A&M
College
Stephen F. Austin State University
Texas A&M, Corpus Christi
Texas A&M, Galveston
Texas A&M, Kingsville
Troy University**

**University of Central Florida
University of Florida
University of Georgia Research
Foundation, Inc.
University of Louisiana at Lafayette
University of Texas at Austin
Coastal Conservation Association
Instituto de Ecología, A.C.
Lady Bird Johnson Wildflower Center
The Nature Conservancy of Texas
University of New Orleans**

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 Gulf Coast CESU Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

J.3. US Army Corps of Engineers-Civil Works (USACE-CECW) is included in the Gulf Coast CESU as a Federal Agency Partner under agreement number W912HZ-07-2-0002 for a cumulative amount not-to-exceed \$25,000,000.00.

I. The US Army Corp of Engineers – Civil Works (hereinafter called USACE-CECW) provides assistance in the development and management in the nation's water resources. The main missions of USACE-CECW, 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 Gulf Coast 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 III. TERMS OF AGREEMENT

A.1. The effective date of the Gulf Coast CESU Cooperative and Joint Venture Agreement is 2 August 2002..

A.6. The effective date of this amendment to the Gulf Coast CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this amendment.

ARTICLE IV. KEY OFFICIALS

A.5. The technical representative for the Department of the Army, Engineering Research and Development Center, Corps of Engineers, is as follows:

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

ARTICLE V. AWARD

B.2. Upon signature of all parties to this amendment, Department of the Army 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.

C.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.

ARTICLE VI. PRIOR APPROVAL

B. 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.

ARTICLE VII. REPORTS AND DELIVERABLES

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.

ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION

B. 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.

ARTICLE IX. TERMINATION

B. Also, in accordance with 22 CFR Part 518 (Department of Defense) and DoD 3210.6-R, Department of Defense Grant and Agreement Regulations.

ARTICLE XIV. 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. Geological Survey
- C. National Park Service

DEPARTMENT OF AGRICULTURE

- D. Natural Resources Conservation Service
- E. U.S. Forest Service (Southern Research Station)

DEPARTMENT OF DEFENSE

- F. Office of the Deputy Under Secretary of Defense

(Installations and Environment)

G. National Aeronautics and Space Administration

DEPARTMENT OF DEFENSE

H. **Department of the Army, Engineering Research and Development Center,
Corps of Engineers**

- I. TEXAS A&M UNIVERSITY (HOST)
- J. Auburn University
- K. Grambling State University
- L. Louisiana State University
- M. Mississippi State University
- N. Southern University and A&M College
- O. Texas A&M, Corpus Christi
- P. Texas A&M, Galveston
- Q. Texas A&M, Kingsville
- R. Troy University
- S. University of Central Florida
- T. University of Florida
- U. University of Georgia Research Foundation, Inc.
- V. University of Louisiana at Lafayette
- W. University of Texas at Austin
- X. Coastal Conservation Association
- Y. Instituto de Ecología, A.C.
- Z. The Nature Conservancy of Texas
- AA. Rice University
- BB. Stephen F. Austin State University
- CC. University of New Orleans
- DD. Lady Bird Johnson Wildflower Center

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

Print Name]:
[Print Title]:

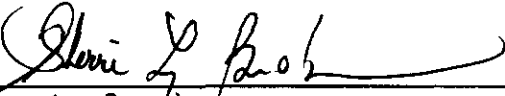
Date

Print Name]:
[Print Title]:

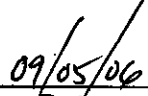
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey



Sherri Ly Bredeben
Contracting officer



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. National Park Service

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. Natural Resources Conservation Service

[Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. U.S. Forest Service
Southern Research Station

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. Department of Defense - Office of the Deputy Under Secretary of Defense
(Installations and Environment)

[Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

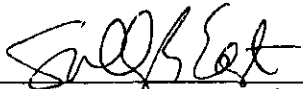
G. National Aeronautics and Space Administration

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Department of the Army, Engineering Research and Development Center, Corps of
Engineers, Civil Works



Print Name] Sally E. East
[Print Title]: Grants officer

8/17/04
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. Texas Agricultural Experiment Station, Texas A&M University System

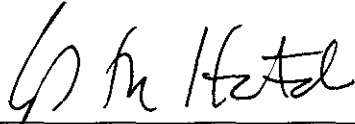


8/25/06
Date

[Print Name]:
[Print Title]:

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. Auburn University



Upton Hatch:
Director
Auburn University Environmental Institute

6/6/06

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Grambling State University

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Louisiana State University

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Mississippi State University



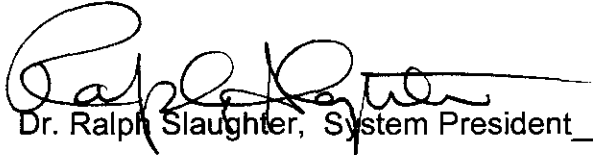
Marc McGee
Director, Sponsored Programs Administration



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

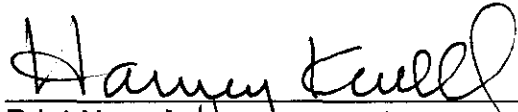
N. Southern University and A&M College


Dr. Ralph Slaughter, System President _____

_____ 7/27/06 _____ Date
:

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Texas A&M, Corpus Christi



Print Name: Harvey Knoll
[Print Title]: AUP Research

6-21-06

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. Texas A&M, Galveston



Gilbert T. Rowe

6/6/06
Date

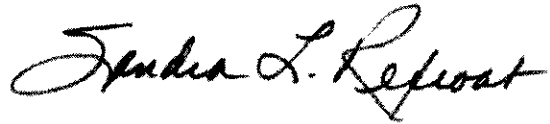
Print Name]:

[Print Title]:

Head Marine
Biology

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. Texas A&M University Kingsville



6/16/06

Print Name]: Sandra L. Rexroat

Date

[Print Title]: Director of Research & Sponsored Programs

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Troy ~~State~~ University

Paul M. Stewart

Paul M Stewart

Print Name]:

[Print Title]:

Professor & ALFA Chair

6/6/06

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. University of Central Florida



Print Name]:

[Print Title]:

**Andrea Miller
Contract Manager
Office of Research and Commercialization**



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Florida

T. Walsh

6/16/06

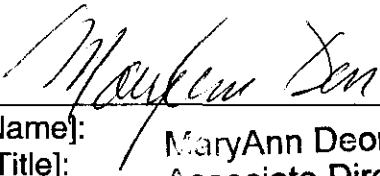
Print Name]: TOM WALSH

Date


[Print Title]: DIRECTOR OF SPONSORED RESEARCH
AND COMPLIANCE

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. University of Georgia Research Foundation, Inc.



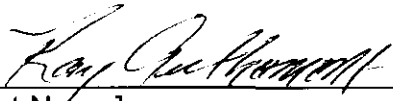
Print Name]: MaryAnn Deom
[Print Title]: Associate Director



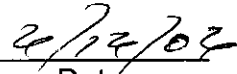
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of Louisiana at Lafayette



Print Name]: Ray Authement
[Print Title]: President



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. University of Texas, Austin


Print Name]:

[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Coastal Conservation Association

Robby Byers Executive Director
Print Name:
[Print Title]: 

7/6/06
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Instituto de Ecología, A.C.

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. The Nature Conservancy of Texas

James F. Bergan

Print Name]: JAMES F. BERGAN
[Print Title]: DIRECTOR OF SCIENCE
AND STEWARDSHIP

4/18/07

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Rice University



Print Name:

[Print Title]:

**Nancy L. Nibbett, Director
Office of Sponsored Research**

6/5/06
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. Stephen F. Austin State University

Tito Guerrero, III
Print Name]:
[Print Title]: *President*

6/05/06
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. University of New Orleans

Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. Lady Bird Johnson Wildflower Center

Susan Ruff
Executive Director

6/6/06

Print Name]:
[Print Title]:

Date