

**PIEDMONT – SOUTH ATLANTIC COAST
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT THREE to
COOPERATIVE and JOINT VENTURE AGREEMENT**

between

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

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

**U.S. DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense (Installations and Environment),
Naval Hospital – Beaufort, SC
U.S. Army Corps of Engineers – Civil Works**

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration**

and

**UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC. (HOST)
Auburn University
Clemson University
Florida A&M University
North Carolina State University
University of Central Florida
University of Florida
Audubon of Florida
Audubon of North Carolina
Audubon of South Carolina
East Carolina University
University of South Carolina
North Carolina Agricultural and Technical State University
Towson University
University of South Florida
Southern Forest Research Partnership**

**Christopher Newport University
The Citadel
University of North Carolina Wilmington**

Adding:

**Bureau of Ocean Energy Management, Regulation and Enforcement
University of West Georgia
Duke University
University of North Carolina-Chapel Hill
National Wildlife Federation
Project Orianne, Ltd.**

With the exception of the changes below, all terms and conditions of the Piedmont – South Atlantic 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

- A.2. The Bureau of Ocean Energy Management, Regulation and Enforcement (formerly Minerals Management Service) is hereby included in the Piedmont – South Atlantic Coast CESU as a Federal Agency Partner under agreement # AT-11-06.

- L.2. The following institutions – University of West Georgia, Duke University, University of North Carolina-Chapel Hill, National Wildlife Federation, and Project Orianne, Ltd. – are hereby included in the Piedmont – South Atlantic Coast CESU as Partner Institutions.

- N. Department of the Interior (DOI) Secretarial Order No. 3071 established the Minerals Management Service 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 USC 1331-1356). Pursuant to DOI Secretarial Order No. 3302 (18 June 2010), the Minerals Management Service was renamed the Bureau of Ocean Energy Management, Regulation and Enforcement (hereafter BOEMRE). The BOEMRE manages the mineral resources on 1.7 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. BOEMRE may use, as appropriate, the aforementioned authorities for specific activities under this agreement and to enter into this cooperative agreement continuing the Piedmont – South Atlantic Coast CESU to assist in providing research, technical assistance, and educational services.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Piedmont – South Atlantic Coast CESU Cooperative and Joint Venture Agreement is 01 July 2008.

A.2. The effective date of this amendment to the Piedmont – South Atlantic Coast CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature.

ARTICLE IV. KEY OFFICIALS

A.10. The technical representative for the Bureau of Ocean Energy Management, Regulation and Enforcement is:

Jennifer Ewald
Physical Oceanographer
Bureau of Ocean Energy Management, Regulation and Enforcement
Environmental Division - Environmental Sciences Branch
Environmental Studies Program
381 Elden Street, Mail Stop 4041
Herndon, VA 20170
Phone: (703) 787-1608
Fax: (703) 787-1053
Jennifer.Ewald@boemre.gov

C.19. The technical representative for the University of West Georgia is:

Dr. Ann E. McCleary
Director, Center for Public History
Professor of History
Department of History
Technology Learning Center 3200
University of West Georgia
Carrollton, GA 30118
Phone: (678) 839-6014/6141
Fax: (678) 839-4160
amcclear@westga.edu

C.20. The technical representative for Duke University is:

Professor Ana Barros
Department of Civil and Environmental Engineering
The Pratt School of Engineering
Duke University
2457 CIEMAS
Durham, NC 27708
Phone: (919) 660-5539
Fax: (919) 660-5219
barros@duke.edu

C.21. The technical representative for the University of North Carolina-Chapel Hill is:

Dr. Lawrence E. Band
Voit Gilmore Distinguished Professor of Geography
Director, Institute for the Environment
Campus Box 6116
UNC-Chapel Hill
Chapel Hill, NC 27599-6116
Phone: (919) 966-6026
Fax: (919) 843-9060
iband@email.unc.edu

C.22. The technical representative for the National Wildlife Federation is:

Naomi Edelson
Senior Manager of State Wildlife Programs
National Wildlife Federation
901 E. Street NW, Suite 400
Washington, DC 20004
Phone: (202) 797-6889
Fax: (202) 797-6646

edelsonn@nwf.org

C.23. The technical representative for Project Orianne, Ltd. is:

Dr. Christopher L. Jenkins
Executive Director
Project Orianne, Ltd.
579 Highway 441 South
Clayton, GA 30525
Phone: (706) 212-0112
Fax: (706) 212-0113
info@projectorianne.org

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. Fish and Wildlife Service
- C. U.S. Geological Survey
- D. National Park Service
- E. Bureau of Ocean Energy Management, Regulation and Enforcement**

U.S. DEPARTMENT OF AGRICULTURE

- F. U.S. Forest Service, Southern Research Station
- G. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE

- H. Office of the Deputy Under Secretary of Defense (Installations and Environment),
Naval Hospital – Beaufort, SC
- I. U.S. Army Corps of Engineers – Civil Works

U.S. Department of Commerce

- J. National Oceanic and Atmospheric Administration

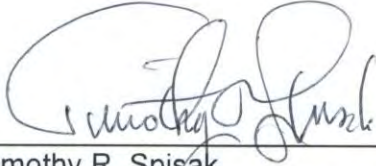
K. THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.

- L. Auburn University
- M. Clemson University
- N. Florida A&M University
- O. North Carolina State University
- P. University of Central Florida
- Q. University of Florida
- R. Audubon of Florida
- S. Audubon of North Carolina

- T. Audubon of South Carolina
- U. East Carolina University
- V. University of South Carolina
- W. North Carolina Agriculture and Technical State University
- X. Towson University
- Y. University of South Florida
- Z. Southern Forest Research Partnership
- AA. Christopher Newport University
- BB. The Citadel
- CC. University of North Carolina Wilmington
- DD. University of West Georgia**
- EE. Duke University**
- FF. University of North Carolina-Chapel Hill**
- GG. National Wildlife Federation**
- HH. Project Orianne, Ltd.**

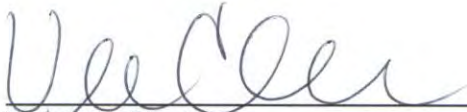
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management



Timothy R. Spisak
Acting State Director, Eastern States

1-14-2011
Date



Velvette Clayton
Procurement Analyst

1/13/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Fish and Wildlife Service



Don Calder
Chief, Division of Contracting and Grant Services
U.S. Fish and Wildlife Service, Southeast Region

1-13-2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey



Sherri Ly Bredesen
Contracting Officer

01/04/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service

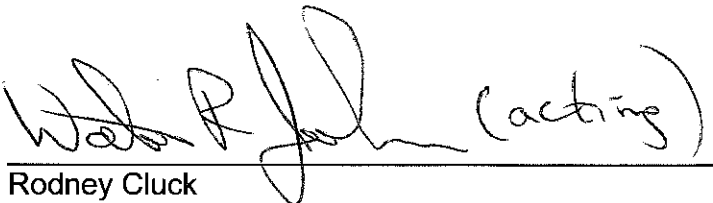
Fove 

David Vela
Regional Director
Southeast Region

1/19/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Bureau of Ocean Energy Management, Regulation and Enforcement



Rodney Cluck
Chief, Environmental Sciences Branch

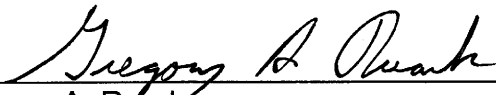
1/5/2011
Date

Walter Johnson
Acting Chief

reference : AT-11-06

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. USDA Forest Service, Southern Research Station



Gregory A. Ruark
Acting Station Director

1-5-11
Date

The authority and format of this instrument has been reviewed and approved for signature.



Joyce M. Gorgas
Lead Grants and Agreements Specialist
Southern Research Station

1/4/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)


G. Natural Resources Conservation Service

Eloris D. Speight
Deputy Chief for Management

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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



Leslie E. Guy, Grants Officer
Representing ODUSD (I&E)

14-JAN-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Michael G. Lee
Grants Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

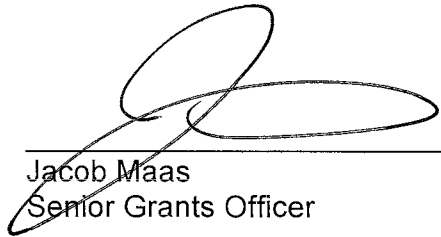
J. National Oceanic and Atmospheric Administration

Gary Reisner
Director, Management and Budget Office
National Marine Fisheries Service
National Oceanic and Atmospheric Administration

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. The University of Georgia Research Foundation, Inc. (HOST)



Jacob Maas
Senior Grants Officer

1/7/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Auburn University

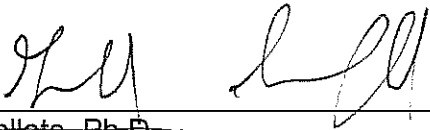


John M. Mason
Associate Provost and
Vice President for Research

01/05/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Clemson University


~~John Ballato, Ph.D.~~
~~Interim Vice President for Research~~

1/5/12
Date


Gerald Sonnenfeld, Ph.D.
Vice President for Research

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Florida Agricultural and Mechanical University



K. Ken Redda, Ph.D.
Professor and Acting Vice President for Research



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. North Carolina State University

A handwritten signature in blue ink, appearing to read "Ronning", is positioned above a horizontal line.


Matt Ronning.
Associate Vice Chancellor

19-January-2011

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Central Florida



Josephine Combs
Contract Manager

1/5/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Florida



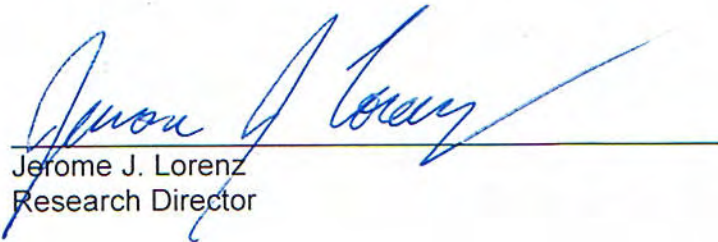
Brian Prindle
Associate Director of Research

11/18/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Audubon of Florida

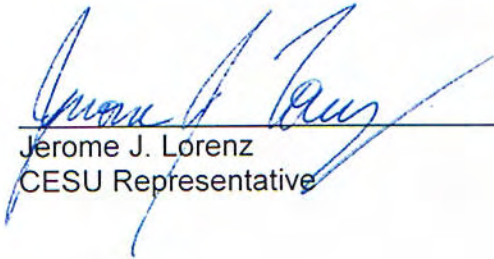


Jerome J. Lorenz
Research Director

11/21/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Audubon of North Carolina

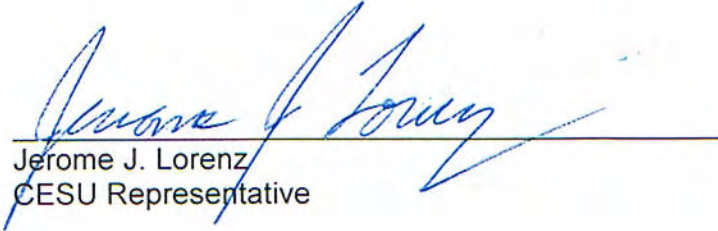


Jerome J. Lorenz
CESU Representative

11 JAN 11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. Audubon of South Carolina



Jerome J. Lorenz
CESU Representative

11 JAN 11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. East Carolina University



Maryellen O'Brien, Director
Office of Sponsored Programs



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of South Carolina



Thomas Coggins
Director, Office of Sponsored Awards Management

1/6/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. North Carolina Agricultural and Technical State University



Donald R. McDowell
Interim Dean
School of Agriculture and Environmental Sciences

1/4/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Towson University

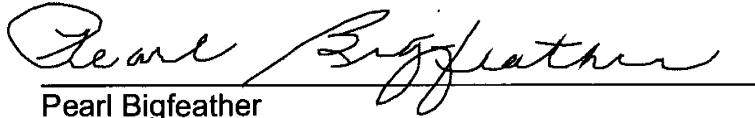
A handwritten signature in cursive script, appearing to read "R A Siegel", written over a horizontal line.

R. A. Siegel
Professor and Chair
Department of Biological Sciences

1-7-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. University of South Florida Board of Trustees, a public body corporate

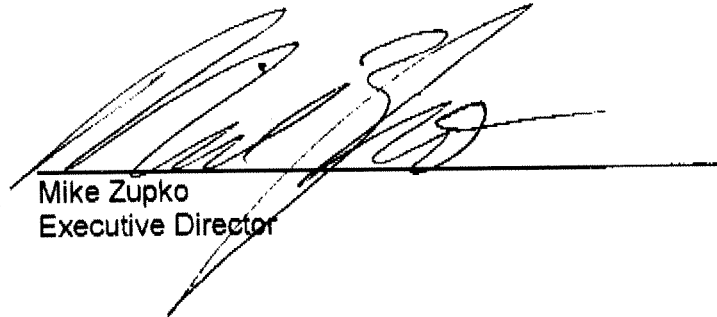


Pearl Bigfeather
Associate Vice President for Sponsored Research and Finance

1/25/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Southern Forest Research Partnership

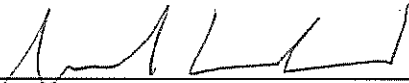


Mike Zupko
Executive Director

01/20/11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Christopher Newport University

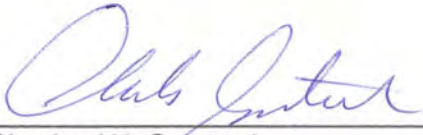


Mark Padilla
Provost

1-5-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. The Citadel



Charles W. Groetsch
Dean, School of Science and Mathematics

1/11/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. University of North Carolina Wilmington



Dr. Robert Roer
Dean of the Graduate School and Research
Chief Research Officer

11 Jan 2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. University of West Georgia



Dr. Peter S. Hoff
Provost and Vice President for Academic Affairs

1/4/11

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. Duke University



11/7/11

[Print Name]:

Keith Hurka-Owen, CRA

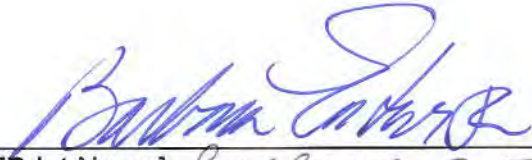
Date

[Print Title]:

Associate Director
Office of Research Support
Duke University

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. University of North Carolina-Chapel Hill

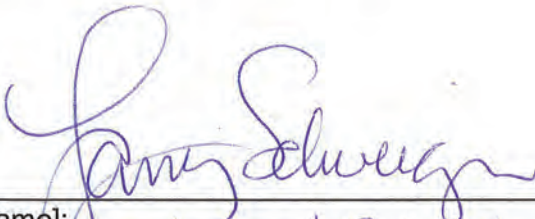


[Print Name]: BARBARA ENTWISTLE
[Print Title]: Interim Vice Chancellor
for Research & Economic Development

3/9/2011
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. National Wildlife Federation




[Print Name]: Larry J. Schweiger
[Print Title]: President and CEO

1-24-11
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. Project Oriante, Ltd.



[Print Name]: Christopher C. Jenkins
[Print Title]: CEO & Executive Director

1/6/11
Date