

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

**AMENDMENT FOUR TO
COOPERATIVE and JOINT VENTURE AGREEMENT**

between

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

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

**DEPARTMENT OF DEFENSE
Naval Hospital – Beaufort, SC**

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**

Adding

DEPARTMENT OF THE ARMY

US Army Corps of Engineers – Civil Works

North Carolina Agricultural and Technical State University Towson University University of South Florida Southern Forest Research Partnership

With the exception of the changes below, all terms and conditions of the Piedmont–South Atlantic Coast CESU agreement apply to this Amendment, and this Amendment is hereby made part of the agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

A.5. The US Army Corps of Engineers-Civil Works (USACE-CW) is included in the Piedmont–South Atlantic Coast CESU as a Federal Agency Partner under agreement number W912HZ-08-2-0003 for a cumulative amount not-to-exceed \$25,000,000.00.

J. 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 Piedmont-South Atlantic 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).

L. North Carolina Agricultural and Technical State University, Towson University, the University of South Florida, and the Southern Forest Research Partnership are included as Partner Institutions in the Piedmont-South Atlantic Coast Cooperative Ecosystem Studies Unit.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Piedmont – South Atlantic Coast CESU Cooperative and Joint Venture Agreement is 1 July 2003.

A.3. 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.3.1. The technical representative for the National Park Service is:

Paul Hartwig
Associate Regional Director, Cultural Resources & Partnerships
National Park Service, Southeast Region
Atlanta Federal Center, 1924 Building
1000 Alabama Street SW
Atlanta, GA 30303
Phone: 404-562-3110 x552
Fax: 404-562-3263
Paul.Hartwig@nps.gov

(Raymond Albright remains as a technical representative for the NPS.)

A.6.1. The technical representative for the Natural Resources Conservation Service is:

Jon Hempel
Acting CESU National Coordinator
Natural Resources Conservation Service
157 Clark Hall Annex
PO Box 6301
Morgantown, WV 26505
Phone: 304-293-8232 ext. 6101
Fax: 304-293-8185
Jon.Hempel@wv.usda.gov

A.9. 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)
4155 Clay Street
Vicksburg, MS 39183
Phone: 601-631-5351
Fax: 601-631-7263
Amanda.D.Irwin@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

C.12. The technical representatives for the North Carolina Agricultural and Technical State University are:

Dr. Alton Thompson
Dean, School of Agriculture and Environmental Sciences
111 Webb Hall
North Carolina Agricultural and Technical State University
Greensboro, NC 27411-1011
Phone: 336-334-7979
Fax: 336-334-7580
altont@ncat.edu

Administrative Representative:

Dr. N. Radhakrishnan
Vice Chancellor for Research & Economic Development
North Carolina Agriculture and Technical State University
1601 E. Market Street
Greensboro, NC 27411
Phone: 336-334-7314
radha@ncat.edu

C.13. The technical representatives for Towson University are:

Dr. Richard A. Seigel
Chair, Department of Biological Sciences
Towson University

8000 York Road
Towson, MD 21252
Phone: 410-704-3132
rseigel@towson.edu

Administrative Representative:

Dr. James P. Sheehan
Vice President, Administration and Finance & Chief Financial Officer
Towson University
8000 York Road
Towson, MD 21252
Phone: 410-704-2151
Fax: 410-704-6248
jsheehan@towson.edu

C.14. The technical representatives for the University of South Florida are:

Dr. Travis F. Doering
Alliance for Integrated Spatial Technologies
Office of Research and Scholarship
College of Arts and Sciences
University of South Florida
Tampa, FL 33620-8100
Phone: 813-974-0613
Fax: 813-974-2668
tdoering@cas.usf.edu

Administrative Representative:

Dr. Ralph C. Wilcox
Provost and Senior Vice President
Office of the Provost and Senior Vice President
University of South Florida
4202 East Fowler Avenue, ADM 226
Tampa, FL 33620
Phone: 813-974-8347
Fax: 813-974-8795
rwilcox@acad.usf.edu

C.15. The technical representatives for the Southern Forest Research Partnership are:

Mr. Larry Biles
Director, Southern Forest Research Partnership
PO Box 6938
Athens, GA 30604-6938

Phone: 706-542-3098
Fax: 706-542-3442
lbiles@warnell.uga.edu

Administrative Representative:

Dr. R. Scott. Beasley
President, Southern Forest Research Partnership
Dean, Stephen F. Austin State University
Arthur Temple College of Forestry & Agriculture
East College at Raguet St.
Box 6109, SFA Station
Nacogdoches, TX 75962-6109
Phone: 936-468-3301
Fax: 936-468-2489
sbeasley@sfasu.edu

ARTICLE V. AWARD

B.9. 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.

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 (US Army Corps of Engineers-Civil Works).

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 (US Army Corps of Engineers-Civil Works).

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 (US Army Corps of Engineers-Civil Works).

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 (US Army Corps of Engineers-Civil Works).

ARTICLE IX. TERMINATION

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 (US Army Corps of Engineers-Civil Works).

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

U.S. DEPARTMENT OF AGRICULTURE

- E. Agricultural Research Service
- F. USDA Forest Service
- G. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE

- H. Naval Hospital – Beaufort, SC

U.S. DEPARTMENT OF THE ARMY

I. US Army Corps of Engineers-Civil Works

J. THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.

- K. Auburn University
- L. Clemson University
- M. Florida A&M University
- N. North Carolina State University
- O. University of Central Florida
- P. University of Florida
- Q. Audubon of Florida
- R. Audubon of North Carolina
- S. Audubon of South Carolina
- T. East Carolina University
- U. University of South Carolina
- V. North Carolina Agriculture and Technical State University**
- W. Towson University**
- X. University of South Florida**
- Y. Southern Forest Research Partnership**

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. Fish and Wildlife Service

[Print Name]:
[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey

Sherri Ly Bredesen:
Contracting Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service

Patricia Hooks
Regional Director

Date

Paul Hartwig
Associate Regional Director, Cultural Resources & Partnerships

Date

Cheryl Richardson
Contracting Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. USDA Agricultural Research Service

[Print Name]:

[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. USDA Forest Service

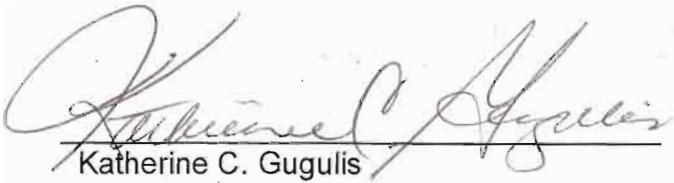
[Print Name]:

[Print Title]:

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. USDA Natural Resources Conservation Service



Katherine C. Gugulis
Deputy Chief for Management

5/18/08
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Department of Defense – Naval Hospital – Beaufort, SC

Katherine H. Atkins
Grants Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. US Army Corps of Engineers-Civil Works

Michael D. Lee

[Print Name]:


[Print Title]:

20 FEBRUARY 2008


Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

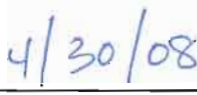
J. The University of Georgia Research Foundation, Inc.



MaryAnn Deem
Associate Director



Jacob Maas
Grants Specialist



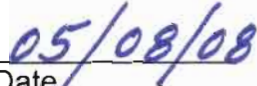
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Auburn University

A handwritten signature in blue ink that reads "Ralph Zee". The signature is written in a cursive style and is positioned above a horizontal line.

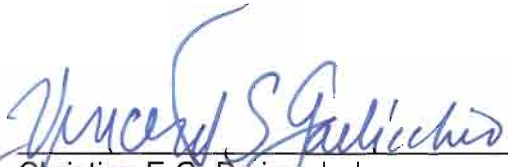
Ralph H. Zee
Acting Vice President for Research

A handwritten date in blue ink that reads "05/08/08". The date is written in a cursive style and is positioned above a horizontal line.

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Clemson University

MS
FER


Christian E.G. Prziembel
Vice President for Research and Economic Development

4/29/2008

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Florida A&M University

Keith H. Jackson
Vice President for Research

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. North Carolina State University



09-June-2008

[Print Name]: Matthew Ronning
[Print Title]: Associate Vice Chancellor

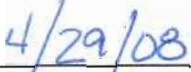
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. University of Central Florida



Terri Vallery
Contract Manager



Date

Office of Research and Commercialization

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Florida



Brian Prindle
Associate Director for Research



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. Audubon of Florida




Jerome J. Lorenz
Director of Research

28 APR 08
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)


R. Audubon of North Carolina


[Print Name]: Jerome J. Lorenz
[Print Title]: ~~CEO~~ Piedmont CESU Liaison
National Audubon Soc

28 APR 08
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Audubon of South Carolina


[Print Name]: Jerome J. Lorenz
[Print Title]: Piedmont CESU Liaison
National Audubon Society

28 APR 08
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. East Carolina University

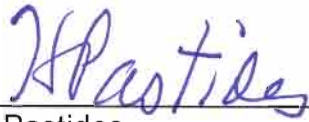


Richard Best Kathleen G. Hall
Director, Office of Sponsored Programs

Date 06/19/08

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. University of South Carolina



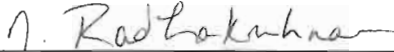
Harris Pastides
Vice President for Research and Health Sciences



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. North Carolina Agricultural and Technical State University



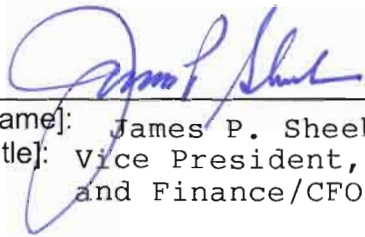
[Print Name]: N. Radhakrishnan

Date March 19, 2008

[Print Title]: Vice Chancellor for
Research & Economic Development
North Carolina A&T State Univ.

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Towson University

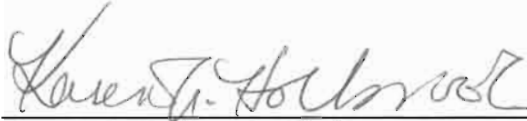


[Print Name]: James P. Sheehan
[Print Title]: Vice President, Administration
and Finance/CFO

3/18/08
Date


ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. University of South Florida



Karen A. Holbrook, Ph.D.
Vice President for Research & Innovation

3/24/08
Date

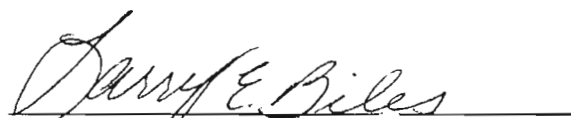


Ralph C. Wilcox, Ph.D.
Provost and Senior Vice President

3/24/08
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Southern Forest Research Partnership

A handwritten signature in cursive script that reads "Larry E. Biles". The signature is written in black ink and is positioned above a horizontal line.

[Print Name]: Larry E. Biles
[Print Title]: Director

Date 3-8-2008