PIEDMONT – SOUTH ATLANTIC COAST
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT FIVE 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
Bureau of Ocean Energy Management

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
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**

L.4. The Georgia Department of Natural Resources Wildlife Resources Division and Marshall University are hereby included in the Piedmont – South Atlantic Coast CESU as a Partner Institutions.

**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**

C.25. The technical representative for Georgia Department of Natural Resource Wildlife Resources Division is:

   Mike Harris
   Chief, Nongame Conservation Section
   Georgia DNR Wildlife Resources Division
C.26. The technical representative for Marshall University is:

Joe Ciccarello  
Director, Grant/Contract Development  
Marshall University  
Coal Exchange, 14th Floor  
Huntington, WV 25755  
Phone: 304.696.4837  
Fax: 304.697.3885  
ciccarello@marshall.edu

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

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.  
II. College of Charleston  
JJ. Georgia Department of Natural Resources Wildlife Resources Division  
KK. Marshall University
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

John Lyon
Dr. John G. Lyon
State Director, Eastern States

01/14/2013
Date

Lisa T. Clayton
Grants Management Officer

1.7.13
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

12/11/2012
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey

[Signature]
Sherri Ly Bredesen
Contracting Officer

[Date] 12/18/12
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service

Gordon Wissinger  
Acting Regional Director  
Southeast Region

Date: 11/04/13
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Bureau of Ocean Energy Management

Rodney Cluck
Chief, Division of Environmental Sciences

\[\frac{\text{Date}}{1/7/13}\]
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Forest Service, Southern Research Station

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

__________________________________________ ________
Robert L. Doudrick Date
Station Director

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

__________________________________________ ________
Joyce M. Gorgas Date
Grants and Agreements Specialist
Southern Research Station
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Natural Resources Conservation Service

[Signature]
JANE HARDISTY
Acting Deputy Chief for Management

1-18-13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Derek Gadberry, Grants Officer
Representing ODUSD (I&E)
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

Digitally signed by
SONTAG.DEANNDA.S.1230791909
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cn=SONTAG.DEANNDA.S.1230791909
Date: 2012.12.20 17:37:52 -06'00'

Deannda Sontag
Grants Officer
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. National Oceanic and Atmospheric Administration

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

_________________________________________  ____________________________
Gary Reisner                        Date
Director, Management and Budget Office
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

[Signature]

Date: 12/11/12

Jacob Maes
Senior Grants Officer
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Auburn University

John M. Mason  
Associate Provost and  
Vice President for Research  

12/18/12  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Clemson University

[Signature]

Gerald Somenfield, Ph.D.
Vice President for Research

12/12/2012
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Florida Agricultural and Mechanical University

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

01-24-13
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. North Carolina State University

______________________________  __________________________
Matt Ronning  Date
Associate Vice Chancellor

12/18/2012
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Central Florida

Josephine Combs  
Contract Manager  

[Signature]  

11/11/2012  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Florida

Brian Prindle  
Associate Director of Research  

Date  
12/30/12
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Audubon of Florida

[Signature]

Jerome J. Lorenz
Research Director

11 DEC 12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Audubon of North Carolina

[Signature]

Jerome J. Lorenz
CESU Representative

[Signature]

Date

11/14/17
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. Audubon of South Carolina

[Signature]

Jerome J. Lorenz
CESU Representative

11 DEC 12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. East Carolina University

[Signature]
Maryellen O'Brien, Director
Office of Sponsored Programs

[Signature]
Martha J. S. Van Scott, Interim Director
Office of Sponsored Programs

12/19/2012
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of South Carolina

[Signature]
Thomas Coggins  
Director, Office of Sponsored Awards Management

[Date]  
1/7/13
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. North Carolina Agricultural and Technical State University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

William Randle
Dean
School of Agriculture and Environmental Sciences
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. Towson University

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

[Signature]

12-13-12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. University of South Florida

Travis F. Doering
Research Assistant Professor
Office of Research and Scholarship

Date 12-18-12
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Southern Forest Research Partnership

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

__________________________  _________________
Mike Zupko             Date
Executive Director
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Christopher Newport University

[Signature]
Mark Padilla
Provost

12/17/12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. The Citadel

Charles W. Groetsch
Lak C. Lew Yan Voon
Dean, School of Science and Mathematics

12/24/12
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 Dec 2012
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. University of West Georgia

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Dr. Peter S. Hoff
Provost and Vice President for Academic Affairs
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. Duke University

Keith Hurka-Owen, CRA
Associate Director, Office of Research Support

11/19/12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. University of North Carolina-Chapel Hill

[Signature]
Barbara Entwisle
Vice Chancellor for Research

[Date] 12/31/2012
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. National Wildlife Federation

Larry J. Schweiger  
President and CEO

1-14-13  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. Project Orianne, Ltd.

[Signature]

Christopher L. Jenkins
CEO & Executive Director

12/31/12
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. College of Charleston

George Hynd
Provost

Date 12/13/12
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. Georgia Department of Natural Resources Wildlife Resources Division

Dan Forster
Director, Wildlife Resources Division
Georgia Department of Natural Resources

12-7-2012
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Marshall University

[Print Name]: John M. Maher  [Date]: Nov 27, 2012
[Print Title]: Exec. Dir. Marshall Univ Research Corp