

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

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

between

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

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

**U.S. DEPARTMENT OF DEFENSE
Office of the Assistant Secretary of Defense for
Energy, Installations, and Environment
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
Towson University**

**University of South Florida
Christopher Newport University
The Citadel
University of North Carolina Wilmington
University of West Georgia
Duke University
University of North Carolina – Chapel Hill
National Wildlife Federation
The Orianne Society
College of Charleston
Georgia Department of Natural Resources-Wildlife Resources Division
Marshall University
Amphibian and Reptile Conservancy
Georgia Tech Research Institute (on behalf of Georgia Institute of Technology)
Georgia Southern University Research and Service Foundation
University of North Florida**

**Adding:
Georgia Aquarium
Joseph W. Jones Ecological Research Center
Georgia-Alabama Land Trust, Inc.**

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

G.0. Pursuant to enactment of Title 54, U.S. Code, “National Park Service and Related Programs,” Section E. (National Park Service) is hereby amended and restated in its entirety as follows:

G. The National Park Service (hereinafter called NPS) manages areas of the National Park System “to conserve the scenery and the natural and historic objects and the wild life therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations” (54 U.S.C. § 100101 et seq.). In support of this broad mission, the Secretary of the Interior is authorized and directed to assure that management of units of the National Park System is enhanced by the availability and utilization of a broad program of the highest quality science and information (54 U.S.C. § 100702), and “shall enter into cooperative agreements with colleges and universities, including land grant schools, in partnership with other Federal and State agencies, to establish cooperative study units to conduct multi-disciplinary research and develop integrated information products on the

resources of the System, or the larger region of which System units are a part” to enter into cooperative agreements with colleges and universities, including but not limited to land grant schools, in partnership with other Federal and State agencies, to establish cooperative study units to conduct multi-disciplinary research and develop integrated information products on the resources of the National Park System, or the larger region of which parks are a part (54 U.S.C. § 100703). The NPS is authorized to enter into cooperative agreements with public or private educational institutions, States, and their political subdivisions, for the purpose of developing adequate, coordinated, cooperative research and training activities concerning the resources of the National Park System (54 U.S.C. § 101702(b)); with State, local and tribal governments, other public entities, educational institutions, and private nonprofit organizations for the public purpose of carrying out National Park Service programs (54 U.S.C. § 101702(a)); with State, local, or tribal governments, other Federal agencies, other public entities, educational institutions, private nonprofit organizations, or participating private landowners for the purpose of protecting natural resources of units of the National Park System through collaborative efforts on land inside and outside of National Park System units (54 U.S.C. § 101702(d)); and with any State or local government, public or private agency, organization, institution, corporation, individual, or other entity for the purpose of sharing costs or services in carrying out authorized functions and responsibilities of the Secretary of the Interior with respect to any unit or program of the National Park System, any affiliated area, or any designated National Scenic or Historic Trail (54 U.S.C. § 101701). NPS is also authorized to provide conservation, recreation, and disaster assistance to partners to help them achieve goals of mutual interest (54 U.S.C. § 200103, 16 U.S.C. § 1723(c)), and support projects to be carried out on Federal, State, local, or private lands as part of disaster prevention or relief efforts in response to an emergency or major disaster declared by the President under the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. § 5121 et seq.). In accordance with the aforementioned authorities, the NPS is authorized to enter into this Agreement to continue the Piedmont–South Atlantic Coast CESU to assist in providing research, technical assistance and education.

- N.2. The Georgia Aquarium, Joseph W. Jones Ecological Research Center, and Georgia-Alabama Land Trust, Inc. are hereby included in the Piedmont–South Atlantic Coast CESU as Partner Institutions.

ARTICLE II. STATEMENT OF WORK

A.8.a. Section A.8. is hereby amended and restated in its entirety as follows:

A.8. Ensure its employees follow the Code of Ethics for Government Service (Pub. L. 96-303) and Standards of Ethical Conduct (5 CFR Part 2635);

D.6.a. Section D.6. is hereby amended and restated in its entirety as follows:

D.6. Follow 2 CFR 200, OMB Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance), as appropriate; and the related federal agency regulations, as applicable, specifically 22 CFR 518 (Department of Defense), 32 CFR Parts 21, 22, 32, 33, and 34 (Department of Defense), 10 U.S.C. 2358, 10 U.S.C. 3036(d), 33 U.S.C. 2323a, and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (Department of Defense); and these documents are incorporated into this Agreement by reference.

D.7. Provide data on CESU projects to the CESU Network National Office and/or host institution in accordance with CESU Council guidelines as posted on the CESU Network website (www.cesu.org).

D.8. Engage in collaborative activities consistent with federal scientific and scholarly integrity directives and policies (e.g., Presidential and OSTP Scientific Integrity Memoranda; DOD Instruction 3200.20; DOI 305 DM 3; USDA DR 1074-001; NOAA AO 202-735D), as appropriate.

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 2013.

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 to this Amendment.

C.0. Section C. is hereby amended and restated in its entirety as follows:

C. Amendments to this Agreement shall be made according to the following provisions:

C.1. For the purposes of this Agreement, Amendments are changes (edits, deletions, or additions) to the Agreement that do not involve the transfer of funds. Amendments may be proposed by any of the Federal Agencies, the Host University, or by the Host University on behalf of any of the Partner Institutions. Amendments shall be executed in writing by the CESU Network National Office. Amendments shall be signed by all signatories to this Agreement, except in cases described in Sections C.2. and C.3. (below). Unless otherwise specified, all terms and conditions of the CESU Agreement apply to the Amendment, and once fully executed the Amendment is made part of the Agreement.

C.2. For Amendments for which the sole purpose is to add a Partner Institution and/or Federal Agency to this Agreement, the Partner Institution and/or Federal Agency being added to the Agreement and the Host University shall sign the Amendment. New Partner Institutions and/or Federal Agencies shall be approved and added in accordance with the CESU Council guidelines, as posted on the CESU Network website (www.cesu.org). All partners shall receive prior notification of amendments.

C.3. For amendments for which the sole purpose is to incorporate administrative changes that do not affect the intent, execution, and implementation of the terms of this Agreement, such as partner name changes or modifications as required by federal (e.g., OMB) financial assistance regulations, the Partner Institution and/or Federal Agency requesting the administrative change and the Host University shall sign the amendment. Such amendments shall be made at the discretion of the CESU Council and all partners shall receive prior notification of amendments.

ARTICLE IV. KEY OFFICIALS

C.29. The technical representative for the Georgia Aquarium is:

Dr. Alistair Dove
Director of Research and Conservation
Georgia Aquarium
225 Baker St.
Atlanta, GA 30313
Phone: (404) 581-4364
Fax: (404) 581-4303
adove@georgiaaquarium.org

C.30. The technical representative for the Joseph W. Jones Ecological Research Center is:

Dr. Lora L. Smith
Associate Scientist
Joseph W. Jones Ecological Research Center
3988 Jones Center Drive
Newton, GA 39870
Phone: (229) 734-4706
Fax: (229) 734-4707
lora.smith@jonesctr.org

C.31. The technical representative for the Georgia-Alabama Land Trust, Inc. is:

Hal S. Robinson, Esq., LL.M. in Environmental Law and Energy Policy ACUB
Program Director and Director of Legal Affairs
428 Bull Street, Suite 201
Savannah, Georgia 31401
Phone: (912) 508-1855
Fax: (256) 447-0008
hrobinson@galandtrust.org

ARTICLE V. AWARD

B.0. Section B. is hereby amended and restated in its entirety as follows:

B. Payments will be made by the Federal Agencies for work in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically, 22 CFR Part 518 (Department of Defense), 10 U.S.C. 2358, 33 U.S.C. 2323(a), 10 U.S.C. 3036(d), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers–Civil Works).

C.0. Section C. is hereby amended and restated in its entirety as follows:

C. A 17.5% indirect cost rate will be paid on work covered by the Agreement and all its modifications or task agreements, with exceptions listed in Article V. paragraphs C.1., C.2., and C.3. (below). Refer to agency-specific policy and guidance for additional information regarding approval and implementation under 2 CFR 200, as appropriate (e.g., DOI-AAAP-0007 [Department of the Interior]; FAM-2015-02 [Department of Commerce]).

C.1. The USFS cannot reimburse "state cooperative institutions" for indirect costs, pursuant to 7 U.S.C. § 3103(18) and 7 U.S.C. § 3319. Indirect costs may be used to satisfy USFS cost sharing requirements of at least a minimum of 20% of total project costs. It is recommended that cost-sharing is greater than 20% in accordance with the Forest Service Handbook FSH1509.11, Chapter 70.

C.2. For NRCS, the indirect cost rate is limited to 10% of total direct costs for colleges, universities, and other nonprofit organizations pursuant to Section 704 of Pub. L. 114-113.

C.3. No indirect cost will be charged by the Host University for funds transferred directly from a participating Federal Agency to a Partner Institution via a modification (i.e., project award) to the Agreement.

ARTICLE VI. PRIOR APPROVAL

ARTICLE VI. is hereby amended and restated in its entirety as follows:

Prior approvals are in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers–Civil Works).

ARTICLE VII. REPORTS AND/OR DELIVERABLES

A.0. Section A. is hereby amended and restated in its entirety as follows:

A. Reports in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers–Civil Works) establish uniform reporting procedures for financial and technical reporting.

ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION

ARTICLE VIII. is hereby amended and restated in its entirety as follows:

Property utilization and disposition is in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE IX. TERMINATION

ARTICLE IX. is hereby amended and restated in its entirety as follows:

Termination of this Agreement is in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works). Any party to this Agreement may terminate its participation by delivery of ninety (90) days advance written notice to each of the Federal Agencies and the Host University.

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

U.S. DEPARTMENT OF AGRICULTURE

- F. U.S. Forest Service
- G. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE

- H. Office of the Assistant Secretary of Defense for Energy, Installations, and Environment
- 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. Towson University
- X. University of South Florida
- Y. Christopher Newport University
- Z. The Citadel
- AA. University of North Carolina Wilmington
- BB. University of West Georgia
- CC. Duke University
- DD. University of North Carolina-Chapel Hill
- EE. National Wildlife Federation
- FF. The Orianne Society
- GG. College of Charleston

- HH. Georgia Department of Natural Resources Wildlife Resources Division
- II. Marshall University
- JJ. Amphibian and Reptile Conservancy
- KK. Georgia Tech Research Institute (on behalf of Georgia Institute of Technology)
- LL. Georgia Southern University Research and Service Foundation
- MM. University of North Florida
- NN. Georgia Aquarium**
- OO. Joseph W. Jones Ecological Research Center**
- PP. Georgia-Alabama Land Trust, Inc.**

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management



Mitchell Leverette
Acting State Director
Eastern States Region

3/27/18
Date



Brandon Riley
Grants Management Officer

3/27/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. Bureau of Ocean Energy Management



Rodney Cluck
Chief, Division of Environmental Sciences

3/13/18

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Fish and Wildlife Service

**STEVEN
SPONAUGLE**

 Digitally signed by STEVEN
SPONAUGLE
Date: 2018.03.05 06:19:04 -05'00'

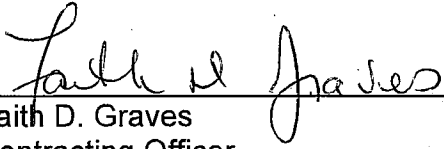
03/05/2018

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

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey



Faith D. Graves
Contracting Officer

2/21/18
Date


ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. National Park Service



Stanley Austin
Regional Director
Southeast Region

3/6/18
Date



Jeff Shaffer
Chief of Contracting

3/5/2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Forest Service

Robert L. Doudrick

Robert L. Doudrick, Ph.D.
Station Director
Southern Research Station

02/21/2018

Date

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

Joyce M. Gorgas

Joyce M. Gorgas
Lead Grants Management Specialist
Southern Research Station

2/20/18

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Natural Resources Conservation Service

JEFFREY MACHELSKI Digitally signed by JEFFREY
MACHELSKI
Date: 2018.03.23 16:49:42 -04'00'

THOMAS W. CHRISTENSEN
Associate Chief For Operatations

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Office of the Assistant Secretary of Defense for Energy, Installations,
and Environment

DALSIMER.ALLYN. Digitally signed by
ANN.1284843602 DALSIMER.ALLYN.ANN.12848436
02
Date: 2018.02.27 10:13:34 -05'00'


Alison A. Dalsimer
Director, DoD Natural Resources Program

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

**WHITTEN.CHELSEA.M.1
139493768**

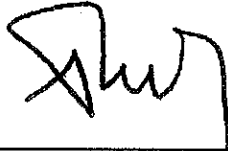
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DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USA, cn=WHITTEN.CHELSEA.M.1139493768
Date: 2018.03.30 09:35:21 -05'00'

Chelsea Whitten
Lead Contracting Specialist
ERDC Contracting Office

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. National Oceanic and Atmospheric Administration

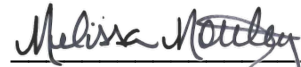


Cisco Werner
Director of Scientific Programs and Chief Science Advisor
National Oceanic and Atmospheric Administration CESU Lead

2/21/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

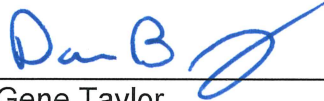


~~Jacob Mace~~ Melissa Mottley
~~Senior Grants Officer~~ Assistant Director of Pre-Award

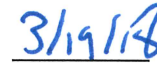
03/13/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Auburn University



Darren B. May
Assistant Director
Office of Sponsored Programs



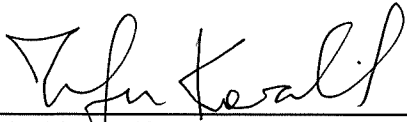
Date

For

Gene Taylor
Director, Office of Sponsored Programs

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Clemson University



Tanju Karanfil
Vice President for Research

5/3/18
Date

For the purposes of this Agreement, the parties to this Agreement are to act as separate and independent entities at all times. For the avoidance of doubt, this agreement in no way should be construed as a pledge of the full faith and credit of Clemson University or the State of South Carolina.

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Florida Agricultural and Mechanical University



Timothy Moore
Vice President for Research

4/2/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. North Carolina State University

 Sherrie Settle
Director of Sponsored Programs

Stefanie D. Saunders
Assistant Director, Operations
NCSU Sponsored Programs

3/22/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Central Florida Board of Trustees

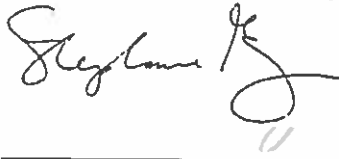


Signed: Tuesday, March 27, 2018
Anisia Potter
Assistant Director, Research Administration

03/27/2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Florida




Digitally signed by Stephanie L Gray
DN: cn=Stephanie L Gray,
o=University of Florida, ou=Office
of Research, email=sigray@ufl.edu,
c=US
Date: 2018.03.02 15:31:27 -05'00'

Stephanie Gray
Assistant Vice President and Director
Division of Sponsored Programs

2 February 2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Audubon of Florida

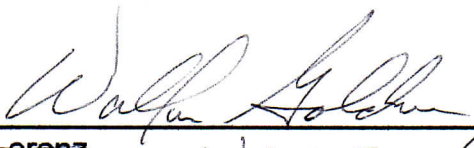


Jerome J. Lorenz Julie B. Wraithmell
Research Director Interim Executive Director

22 March 2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Audubon of North Carolina

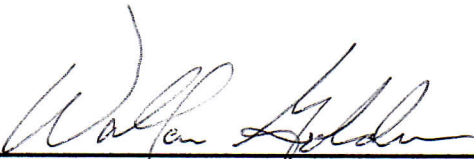


~~Jerome J. Lorenz~~ WALKER GOLDER
CESU Representative

5-4-18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. Audubon of South Carolina



~~Jerome J. Lorenz~~
CESU Representative


WALKER GOLDER

5-4-18

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. East Carolina University




Barbara H. Gray
Director, Office of Sponsored Programs

04/17/2018
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of South Carolina



Thomas Coggins
Director, Office of Sponsored Awards Management

4/6/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Towson University



Robert Campbell
Acting Vice President and Chief Fiscal Officer
Division of Administration and Finance

4/2/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. University of South Florida Board of Trustees for the University of South Florida

Keith Anderson

Keith Anderson, M.S., CRA, Director of Sponsored
Research - USF Research and Innovation

3/26/18

Date

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

Lynn Cash

Lynn Cash, JD
ATTORNEY - USF

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Christopher Newport University

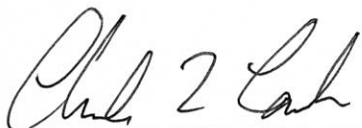


David Doughty
Provost

3/21/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. The Citadel



COL Charles L. Cansler
Vice President for Finance and Business

5/4/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. University of North Carolina Wilmington



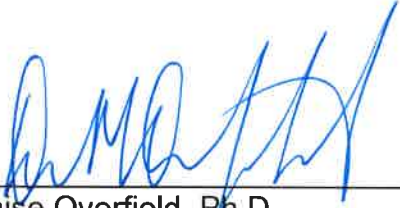
Dr. Ron Vetter
Associate Provost for Research and
Dean of the Graduate School

3/21/18

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. University of West Georgia

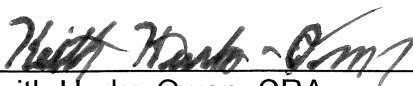


Denise Overfield, Ph.D.
Associate Vice President for Academic Affairs and
Dean of Graduate School

3/6/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. Duke University



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

3/21/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. University of North Carolina–Chapel Hill



Terry Magnuson
Vice Chancellor for Research

5/8/18
Date



ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. National Wildlife Federation

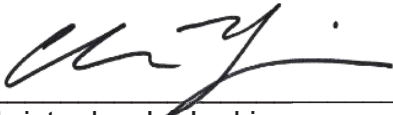


Collin O'Mara
President and CEO

3/23/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. The Orianne Society



Christopher L. Jenkins
CEO and Executive Director

2/21/2018

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. College of Charleston



Brian R. McGee
Provost and Executive Vice President of Academic Affairs

3/2/19
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. Georgia Department of Natural Resources, Wildlife Resources Division

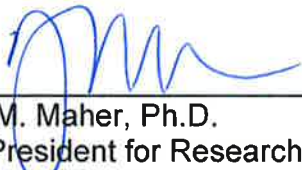


Rusty Garrison
Director

2-26-18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. Marshall University

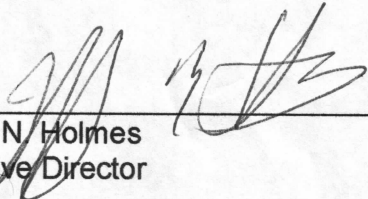


John M. Maher, Ph.D.
Vice President for Research
Executive Director, MU Research Corporation

3/4/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. Amphibian and Reptile Conservancy



Jeffrey N. Holmes
Executive Director

2/22/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Georgia Tech Research Institute
(on behalf of Georgia Institute of Technology)



MacBook-Pro-2.local

2018.04.10 08:20:11

-04'00'

Russell L. Roberts
Laboratory Director
Georgia Tech Research Institute

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

LL. Georgia Southern University Research and Service Foundation



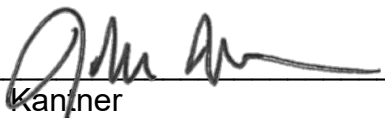
Bruxanne Hein
Director, Research Services and Sponsored Programs
Executive Director, Research and Service Foundation

3/13/18

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

MM. University of North Florida

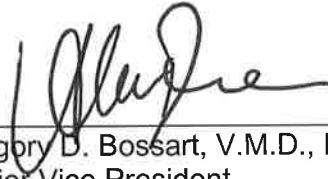


John Kaniner
Associate Vice President for Research

3/4/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

NN. Georgia Aquarium



Dr. A. Dove, per:

Gregory D. Bossart, V.M.D., Ph.D.
Senior Vice President
Animal Health, Research, and Conservation

3/19/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

OO. Joseph W. Jones Ecological Research Center

Kier Klepzig
Director



3/16/18
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

PP. Georgia-Alabama Land Trust, Inc.



Hal. S. Robinson, Esq., LL.M.
ACUB Program Director and Director of Legal Affairs

2/22/2018

Date