

BLM # JSA990018
USBR # 9-FG-81-0143
USGS-BRD # 99HQAG0150
NPS #s CA120099009
CA239099001
USFS # RMRS-99115-JVA

**COLORADO PLATEAU
COOPERATIVE ECOSYSTEM STUDIES UNIT**

COOPERATIVE and JOINT VENTURE AGREEMENT

between

**DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Bureau of Reclamation
U.S. Geological Survey—Biological Resources Division
National Park Service**

**DEPARTMENT OF AGRICULTURE
U.S. Forest Service**

and

**NORTHERN ARIZONA UNIVERSITY (HOST)
Arizona State University
Utah State University
University of Nevada-Reno
Colorado State University
Haskell Indian Nations University
Diné College
Museum of Northern Arizona
The Arboretum at Flagstaff
The Colorado Plateau Forum
Navajo Nation Archeology Department
Oregon State University
University of Arizona**

ARTICLE I - BACKGROUND AND OBJECTIVES

- A. This Cooperative and Joint Venture Agreement (hereinafter called agreement) between the Bureau of Land Management, Bureau of Reclamation, U.S. Geological Survey—Biological Resources Division, National Park Service, and U.S Forest Service, (hereinafter called Federal Agencies), and Northern Arizona University and its partner institutions is to establish and maintain the Colorado Plateau Cooperative Ecosystem Studies Unit. The Colorado Plateau CESU is associated with a national network of CESUs.
- B. The objectives of the Colorado Plateau Cooperative Ecosystem Studies Unit (CESU) are to:
- Provide research, technical assistance and education to federal land management, environmental and research agencies and their potential partners;
 - Develop a program of research, technical assistance and education that involves the biological, physical, social, and cultural sciences needed to address resources issues and interdisciplinary problem-solving at multiple scales and in an ecosystem context; and
 - Place special emphasis on the working collaboration among federal agencies and universities and their related partner institutions.
- C. The Bureau of Land Management (hereinafter called BLM) administers public lands within a framework of numerous laws. The most comprehensive of these is the Federal Land Policy and Management Act of 1976 (FLPMA). All Bureau policies, procedures and management actions must be consistent with FLPMA and the other laws that govern use of the public lands. It is the mission of the Bureau of Land Management to sustain the health, diversity and productivity of the public lands for the use and enjoyment of present and future generations (43 U.S.C. 1701 et seq.). In accordance with 43 U.S.C. 1737(b), the BLM is authorized to enter into a cooperative agreement to establish the Colorado Plateau CESU to assist in providing research, technical assistance and education.
- D. The Bureau of Reclamation (hereinafter called USBR) manages, develops, and protects water and related resources in an environmentally and economically sound manner in the interest of the American public (43 U.S.C. Chapter 12). In accordance with 16 U.S.C. 753a, the USBR is authorized to enter into a cooperative agreement to establish the Colorado Plateau CESU to assist in providing research, technical assistance and education.
- E. The U.S. Geological Survey—Biological Resources Division (hereinafter called BRD) works with others to provide scientific understanding and technologies needed to support the sound management and conservation of our Nation's biological

resources (Secretarial Order No. 3202). In accordance with 16 U.S.C.1a-2j, 16 U.S.C. 5933 and Secretarial Order No. 3202, the BRD is authorized to enter into a cooperative agreement to establish the Colorado Plateau CESU to assist in providing research, technical assistance and education.

- F. The National Park Service (hereinafter called NPS) is responsible for the management of areas in the National Park System to conserve the scenery, the natural and historic objects, and the wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations (16 U.S.C. 1 et seq.). In accordance with 16 U.S.C.1a-2j and 16 U.S.C. 5933, the NPS is authorized to enter into a cooperative agreement to establish the Colorado Plateau CESU to assist in providing research, technical assistance and education.
- G. The U.S. Forest Service (hereinafter called USFS) mission is to achieve quality land management under the sustainable multiple-use management concept to meet the diverse needs of the people (16 U.S.C 1641-1646). In accordance with 7 USC 3318 (b) the USFS is authorized to enter into a joint venture agreement to establish the Colorado Plateau CESU to assist in providing research, technical assistance and education.
- H. Northern Arizona University (hereinafter called Host University) is a major university located on the Colorado Plateau. Located in Flagstaff, Arizona, Northern Arizona University (NAU) is in close proximity to 33 national parks or monuments, 17 national forests, 26 wilderness areas, various BLM lands, and reservations of several Native American nations. In accordance with its long history of providing research and support for land management agencies, NAU has also focused on educating and training undergraduate and graduate students for positions in land management agencies on the Colorado Plateau. NAU is a Doctoral 1 University offering a broad spectrum of undergraduate degrees (88), 38 masters degrees, and the doctorate in 8 fields. NAU enrolls over 19,000 students, with about 15,000 in Flagstaff and the remainder in the 30 statewide sites throughout Arizona.
- I. The partner institutions to the Host University include Arizona State University, Utah State University, University of Nevada-Reno, Colorado State University, Haskell Indian Nations, University, Diné College, Museum of Northern Arizona, the Arboretum at Flagstaff, The Colorado Plateau Forum, and the Navajo Nation Archeology Department, Oregon State University and University of Arizona (hereinafter called Partner Institutions).

ARTICLE II - STATEMENT OF WORK

A. Each Federal Agency agrees to:

1. Provide administrative assistance, as appropriate, necessary to execute this agreement and subsequent modifications;

2. Conduct, with the Host University and Partner Institutions, a program of research, technical assistance and education related to the Colorado Plateau CESU objectives and to the extent allowed by each Federal Agencies' authorizing legislation;
3. Provide opportunities for research on federal lands or using federal facilities in cooperation with Federal Agencies, as appropriate, and according to all applicable laws, regulations and Federal Agencies' policies;
4. Provide funds for basic support and salary for release time of Host University and Partner Institution faculty, as appropriate;
5. Provide project funds and/or collaboration to support specific research, technical assistance and education projects, as appropriate;
6. Make available managers to serve on the Colorado Plateau CESU Manager's Committee;
7. Comply with the Host University's and Partner Institutions' rules, regulations, and policies regarding professional conduct, health, safety, use of services and facilities, use of animals, recombinant DNA, infectious agents or radioactive substances, as well as other polices generally applied to Host University and Partner Institution personnel;
8. Ensure its employees follow the Code of Ethics for Government Employees;
9. Allow Federal Agency employees to participate in the activities of the Host University and Partner Institutions, including serving on graduate committees and teaching courses, as appropriate, and as specifically determined in modifications to the agreement; and
10. Be individually responsible for their agency's role in administering the agreement, transferring funds, and supervision of agency employees, as appropriate.

B. The Host University agrees to:

1. Establish, in consultation with the Federal Agencies and Partner Institutions, the Colorado Plateau CESU;
2. Conduct, with participating Federal Agencies and Partner Institutions, a program of research, technical assistance and education related to the Colorado Plateau CESU objectives;
3. Provide release time for faculty to engage in participating Federal Agencies research, technical assistance and education activities related to the Colorado Plateau CESU objectives, as appropriate;
4. Provide basic administrative and clerical support as appropriate;
5. Provide access for Colorado Plateau CESU staff to campus facilities, including library, laboratories, computer facilities on the same basis or costs as other faculty members of the Host University to the maximum extent allowable under state laws and regulations;
6. Provide suitable office space, furniture and laboratory space, utilities, computer network access and basic telephone service for Federal Agencies personnel to be located at the Host University, as appropriate;
7. Offer educational and training opportunities to participating Federal Agency employees, as appropriate;

8. Encourage its students to participate in the activities of the Colorado Plateau CESU;
 9. Coordinate activities, as appropriate, with the Partner Institutions and develop administrative policies for such coordination; and
 10. Establish a Colorado Plateau CESU Manager's Committee and convene a meeting of this committee, at least annually, to provide advice and guidance, review of the annual work and multi-year strategic plans, and assist in evaluating the Colorado Plateau CESU.
- C. Each Partner Institution agrees to:
1. Conduct, with participating Federal Agencies and the Host University, a program of research, technical assistance, and education related to the Colorado Plateau CESU objectives;
 2. Offer educational and training opportunities to participating Federal Agency employees, as appropriate; and
 3. Encourage students and employees to participate in the activities of the CESU.
- D. All Federal Agencies, the Host University and Partner Institutions agree to:
1. Establish and maintain the Colorado Plateau CESU closely following the CESU Concept Paper (10 November 1997), adapting key elements to local and regional needs, as appropriate;
 2. Develop and adopt a Colorado Plateau CESU role and mission statement;
 3. Develop a multi-year strategic plan;
 4. Make modifications, as appropriate, to this agreement that individually include a specific "scope of work" statement and a brief explanation of the following:
 - (a) the proposed work and what is being modified in the agreement;
 - (b) the project contribution to the objectives of the CESU;
 - (c) the methodology of the project;
 - (d) the substantial involvement of each party;
 - (e) the project schedule;
 - (f) the specific deliverables;
 5. Coordinate in obtaining all necessary state, federal, and tribal permits and/or permissions from private landowners in order to conduct projects occurring under this agreement;
 6. Follow OMB Circulars A-21, A-87, A-102, A-110, and A-133, as appropriate, and specifically 43 CFR Part 12 (Department of the Interior), and 7 CFR Parts 3015-3052 (Department of Agriculture).

ARTICLE III – TERMS OF AGREEMENT

- A. This agreement shall continue for a period of five (5) years from the effective date of execution. The effective date of this agreement shall be determined from the date of the last signature.

- B. By mutual consent and at the end of this agreement, a new agreement, for a separate and distinct (5) year period, can be entered into to continue the activities of the Colorado Plateau CESU.
- C. 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 in writing, signed and agreed to by all signatories to this agreement.
- D. For the purposes of this agreement, modifications are specific two-party agreements between one of the Federal Agencies and the Host University and/or a Partner Institution in support of the goals of this broad agreement. Modifications will be issued by a Federal Agency, will transfer funds to support the statement of work, and will conform to each Federal Agency's respective procedures.
- E. A separate interagency agreement is required to facilitate transfer of funds from one federal agency to another federal agency.

ARTICLE IV - KEY OFFICIALS

- A. The technical representatives for the Federal Agencies are as follows:

- 1. Bureau of Land Management

- A.J. Martinez
Special Assistant to the State Director
Bureau of Land Management
Utah State Office
324 South State St. Suite 301
Salt Lake City, UT 84145-401
(801) 539-4018
a2martin@wo.blm.gov

- 2. Bureau of Reclamation

- Don Ralston
US Bureau of Reclamation
Office of Research
1849 C Street NW
Mail Stop 7611
Washington, DC 20240
(202) 208-5671
dralston@usbr.gov

- 3. U.S. Geological Survey—Biological Resources Division

Charles Van Riper
USGS Biological Resources Division
Colorado Plateau Field Station
Northern Arizona University
Flagstaff, AZ 86011-5614
(520) 556-7466 x227
cvr@usgs.nau.edu

4. National Park Service

Bob Moon
Chief, Natural Resources and Technology
National Park Service
Intermountain Support Office-Denver
IMDE-NT
12795 West Alameda Parkway
Lakewood, CO 80228
(303) 969-2856
bob_moon@nps.gov

5. U.S. Forest Service

Denver Burns
Station Director
Rocky Mountain Research Station
240 West Prospect Road
Fort Collins, CO 80426-2098
(970) 498-1126
dburns/rmrs@fs.fed.us

B. The technical representative for the Host University is:

Dr. Henry Hooper
Professor of Physics & Director of the Bilby Research Center
Northern Arizona University
P.O. Box 6013
Flagstaff, AZ 86011-6013
(520) 523-6726
henry.hooper@nau.edu

C. The technical representatives for the Partner Institutions are:

1. Arizona State University

Dr. Charles L. Redman
Director

Center for Environmental Studies
Arizona State University
P.O. Box 873211
Tempe, AZ 85287-3211
(602) 965-2975
charles.redman@asu.edu

2. Utah State University

Dr. John A. Kadlec
Professor and Interim Dean
Utah State University
College of Natural Resources
5200 University Boulevard
Logan, UT 84322-5200
(435) 797-2445

3. University of Nevada-Reno

Dr. C. Richard Tracy
Director
Biological Resources Research Center
Ecology, Evolution, and Conservation Biology
University of Nevada-Reno
Mail Stop 314
Reno, NV 89557
(702) 784-1925
dtracy@biodiversity.unr.edu

4. Colorado State University

Dr. Daniel E. Binkley
Professor
Colorado State University
Forest Sciences
College of Natural Resources
A 116 Natural Resources
Fort Collins, CO 80523
(970) 491-6519
dan@cnr.colostate.edu

5. Haskell Indian Nations University

Dr. George Godfrey
Chair
Natural and Social Science Department
Haskell Environmental Research Studies Center
Haskell Indian Nations University
155 Indian Avenue
P.O. Box 5001

Lawrence, KS 66046
(785) 749-4828
ggodfrey@rossl.cc.haskell.edu

6. Diné College

Dr. Mark Bauer
Diné College
Box 580
Shiprock, NM 87420
(505) 368-3589
mcbauer@shiprock.ncc.cc.nm.us

7. Museum of Northern Arizona

Dr. Edwin Wade
Senior Vice President
Museum of Northern Arizona
3101 Fort Valley Road
Flagstaff, AZ 86001
(520) 774-5213

8. The Arboretum at Flagstaff

Dr. Joyce Maschinski
Curator of Plants
The Arboretum at Flagstaff
P.O. Box 670
Flagstaff, AZ 86002
(520) 774-1442
joyce.maschinski@nau.edu

9. The Colorado Plateau Forum

Dr. Don Arganbright
The Colorado Plateau Forum
Chair
Department of Forestry
Northern Arizona University
P.O. Box 15018
Flagstaff, AZ 86011
(520) 523-8247
donald.g.arganbright@nau.edu

10. Navajo Nation Archeology Department

Dr. Miranda Warbuton
Director
Navajo Nation Archeology Department
Northern Arizona University
Bilby Research Center

P.O. Box 6013
Flagstaff, AZ 86011-6013
(520) 523-7428

11. Oregon State University

Dr. Michael H. Unsworth
Director
Center for the Analysis of Environmental Change
326B Strand Agriculture Hall
Oregon State University
Corvallis, OR 97331
(541) 7373-5428
unswor@m@oce.orst.edu

12. University of Arizona

Dr. C. P. Patrick Reid
Director
School of Renewable Natural Resources
325 Bioscience, East
University of Arizona
Tucson, AZ 85721-0043
(520) 621-7257
cpr@ag.arizona.edu

ARTICLE V – AWARD

- A. Award under this agreement is as specified in the incorporated budget (Article XI 1.).
- B. Upon signature of all parties and upon satisfactory submission of a budget from the Host University, the Federal Agencies will obligate funds as follows:

Bureau of Land Management

\$10,000 is awarded to the Host University to carry out this agreement.

Bureau of Reclamation

\$10,000 is awarded to the Host University to carry out this agreement.

U.S. Geological Survey—Biological Resources Division

\$10,000 is awarded to the Host University to carry out this agreement.

National Park Service

\$10,000 is awarded to the Host University to carry out this agreement.

U.S. Forest Service

\$10,000 is awarded to the Host University to carry out this agreement.

C. Payments will be made by the Federal Agencies for work in accordance with OMB Circulars A-21, A-110, A-102, A-133 and specifically, 43 CFR Part 12 (Department of the Interior), and 7 CFR Parts 3015-3052 (Department of Agriculture).

D. A 15% indirect cost rate will be paid on work covered by the agreement and all its modifications. An exception is that the US Forest Service cannot reimburse "state cooperative institutions" for indirect costs, pursuant to 7 USC 3103(16) and 7 USC 3319. Indirect costs may be used to satisfy USFS cost-sharing requirements.

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 to the agreement.

E. Award of additional funds or in-kind resources will be made through modifications to the agreement. Copies of all modifications to the agreement shall be kept on file with the Host University.

F. Nothing herein shall be construed as obligating the Federal Agencies to expend, or as involving the Federal Agencies in any contract or other obligation for the future payment of money, in excess of appropriations authorized by law and administratively allocated for specific work.

ARTICLE VI - PRIOR APPROVAL

Prior approvals are in accordance with OMB Circulars A-110 or A-102, specifically 43 CFR Part 12 (Department of the Interior), and 7 CFR Parts 3015-3052 (Department of Agriculture).

ARTICLE VII - REPORTS AND/OR DELIVERABLES

A. OMB Circulars A-110 or A-102, specifically 43 CFR Part 12 (Department of the Interior), and 7 CFR Parts 3015-3052 (Department of Agriculture) establish uniform reporting procedures for financial and technical reporting.

B. As appropriate, the Host University will convene periodic meetings of Colorado Plateau CESU Federal Agencies and Partner Institutions (hereinafter called cooperators) for the purpose of collaboration and coordination of CESU activities. The first meeting will be convened within 90 days from the date this agreement is executed. Five (5) copies of the meeting minutes will be delivered to each Federal Agency.

C. A role and mission statement will be adopted and agreed to by all Colorado Plateau CESU cooperators within 120 days from the date this agreement is executed. Five (5) copies of the adopted mission statement will be delivered to each Federal Agency.

D. Annual work plans will be developed to guide the specific activities of the Colorado Plateau CESU and will:

1. Describe the Colorado Plateau CESU ongoing and proposed research, technical assistance and education activities;
2. Describe anticipated projects and products; and
3. Identify faculty, staff and students involved in the Colorado Plateau CESU during the year.

The first annual work plan (for FY1999) will be delivered 120 days from the date this agreement is executed. Five (5) copies of the annual work plan will be delivered to each Federal Agency.

E. A multi-year strategic plan will be developed to generally guide the Colorado Plateau CESU and will be delivered within 12 months from the date this agreement is executed. Five (5) copies of the multi-year strategic plan will be delivered to each Federal Agency.

ARTICLE VIII - PROPERTY UTILIZATION AND DISPOSITION

Property utilization and disposition is in accordance with OMB Circulars A-110 or A-102, specifically 43 CFR Part 12 (Department of the Interior), and 7 CFR Parts 3015-3052 (Department of Agriculture).

ARTICLE IX - TERMINATION

Termination of this agreement is in accordance with OMB Circulars A-110 or A-102, specifically 43 CFR Part 12 (Department of the Interior), and 7 CFR Parts 3015-3052 (Department of Agriculture), and requires approval of each of the Federal Agencies and the Host University.

ARTICLE X – REQUIRED/SPECIAL PROVISIONS

A. REQUIRED PROVISIONS:

1. **NON-DISCRIMINATION:** All activities pursuant this agreement and the provisions of Executive Order 11246; shall be in compliance with requirements of Title VI of the Civil Rights Act of 1964 (78 Stat. 252 42 U.S.C. § 2000d et seq.); Title V, Section 504 of the Rehabilitation Act of 1973 (87 Stat. 394; 29 U.S.C. § 794); the Age Discrimination Act of 1975 (89 Stat. 728; 42 U.S.C. § 6101 et seq.); and with all other Federal laws and regulations prohibiting discrimination on grounds of race, color, national origin, handicap, religious or sex in providing of facilities and service to the public.
2. **CONSISTENCY WITH PUBLIC LAWS:** Nothing herein contained shall be deemed to be inconsistent with or contrary to the purpose of or intent of any Act of Congress or the laws of the District establishing, affecting, or relating to the agreement.

3. APPROPRIATIONS (Anti-Deficiency Act, 31 U.S.C. 1341): Nothing herein contained in this agreement shall be construed as binding the Federal Agencies to expend in any one fiscal year any sum in excess of appropriations made by Congress, for the purposes of this agreement for that fiscal year, or other obligation for the further expenditure of money in excess of such appropriations.
4. OFFICIALS NOT TO BENEFIT: No Member of, Delegate to, Resident Commissioner in, Congress shall be admitted to any share or part of this agreement or to any benefit to arise therefrom, unless the share or part benefit is for the general benefit of a corporation or company.
5. LOBBYING PROHIBITION: The parties will abide by the provisions of 18 U.S.C. 1913 (Lobbying with Appropriated Moneys), which states:

No part of the money appropriated by any enactment of Congress shall, in the absence of express authorization by Congress, be used directly or indirectly to pay for any personal service, advertisement, telegram, telephone, letter, printed or written matter, or other device, intended or designed to influence in any manner a Member of Congress, to favor or oppose, by vote or otherwise, any legislation or appropriation by Congress, whether before or after the introduction of any bill or resolution proposing such legislation or appropriation: but this shall not prevent officers or employees of the United States or of its departments or agencies from communicating to Members of Congress on the request of any Member or to Congress, through the proper official channels, requests for legislation or appropriations which they deem necessary for the efficient conduct of the public business.

6. LIABILITY PROVISION:

Governmental Parties

The Federal Agencies, Host University and Partner Institutions which are governmental parties, accept responsibility for any property damage, injury, or death caused by the acts or omissions of their respective employees, acting within the scope of their employment, to the fullest extent permitted by law, including laws concerning self-insurance.

To the extent work by governmental parties is to be performed through sub-contract by non-governmental entities or persons, the governmental party sub-contracting work will require that subcontracted entity or person to meet provisions (a),(b), and (c) for non-governmental parties stated below.

Non-governmental Parties

Work provided by non-governmental entities or persons, will require that entity or person to:

- (a) Have public and employee liability insurance from a responsible company or companies with a minimum limitation of one million dollars (\$1,000,000) per person for any one claim, and an aggregate limitation of three million dollars (\$3,000,000) for any number of claims arising from anyone incident. In subsequent modifications, the parties may negotiate different levels of liability coverage, as appropriate. The policies shall name the United States as an

- additional insured, shall specify that the insured shall have no right of subrogation against the United States for payments of any premiums or deductibles due thereunder, and shall specify that the insurance shall be assumed by, be for the account of, and be at the insured's sole risk; and
- (b) Pay the United States the full value for all damages to the lands or other property of the United States caused by such person or organization, its representatives, or employees; and
 - (c) Indemnify, save and hold harmless, and defend the United States against all fines, claims, damages, losses, judgments, and expenses arising out of, or from, any omission or activity of such person organization, its representatives, or employees.

Non-governmental Partner Institutions shall provide the Federal Agencies confirmation of such insurance coverage, prior to beginning specific work authorized herein and specified in subsequent modifications.

B. SPECIAL PROVISIONS:

1. Joint publication of result is encouraged; however, no party will publish any results of joint effort without consulting the other. This is not to be construed as applying to popular publication of previously published technical matter. Publication may be joint or independent as may be agreed upon, always giving due credit to the cooperation and recognizing within proper limits the rights of individuals doing the work. In the case of failure to agree as to the manner of publication or interpretation of results, either party may publish data after due notice (not to exceed 60 days) and submission of the proposed manuscripts to the other. In such instances, the party publishing the data will give due credit to the cooperation but assume full responsibility of any statements on which there is a difference of opinion.
2. That the results of any cooperative studies may be used for development of theses in partial fulfillment of requirements for advanced degrees and nothing herein shall delay theses publication.
3. Individual modifications shall include specific plans for data management, sharing, and archiving, as appropriate.

ARTICLE XI – DOCUMENTS INCORPORATED BY REFERENCE

A. The following are to be incorporated into this agreement:

1. Budget for funds awarded in this agreement
2. DI-2010, Certifications for the Host University and Partner Institutions regarding debarment, suspension and other responsibility matter, drug-free workplace requirements and lobbying.

ARTICLE XII - ATTACHMENTS

A. The following are attached:

1. ATTACHMENT 1 – Financial Status Report, SF 269A

2. ATTACHMENT 2 – Request for Advance or Reimbursement, SF 270
3. ATTACHMENT 3 – ACH Payment, SF3881
4. ATTACHMENT 4 – Example Modification Template

ARTICLE XIII - AUTHORIZING SIGNATURES

The following authorizing signatures are attached:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. Bureau of Reclamation
- C. U.S. Geological Survey—Biological Resources Division
- D. National Park Service

U.S. DEPARTMENT OF AGRICULTURE

- E. U.S. Forest Service

F. NORTHERN ARIZONA UNIVERSITY

- G. Arizona State University
- H. Utah State University
- I. University of Nevada-Reno
- J. Colorado State University
- K. Haskell Indian Nations University
- L. Diné College
- M. Museum of Northern Arizona
- N. The Arboretum at Flagstaff
- O. The Colorado Plateau Forum
- P. Navajo Nation Archeology Department
- Q. Oregon State University
- R. University of Arizona

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management



State Director, Utah

6/7/99
Date

Colorado Plateau CESU

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

B. Bureau of Reclamation

Randall Jackson

6/17/99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey—Biological Resources Division

Mary B. Noll

Mary B. Noll U.S. Geological Survey
Contracting Officer

USGS Cooperative Agreement No. 99HQAG0150

Appropriation Data: 1999/2000 3001-1020E \$10,000

6/9/99

Date

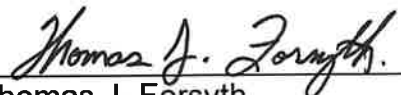
ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

D, &. National Park Service




Robert L. Moon
Chief, Natural Resources and Technology
Intermountain Region

6/2/99
Date



Thomas J. Forsyth
Contracting/Agreements Officer
Intermountain Region

6/2/99
Date



Shirley J. Norton
Contracting Officer
Administrative Program Center

6/2/99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

E. U.S. Forest Service, Rocky Mountain Research Station



MARCIA PATTON-MALLORY
Deputy Station Director

6/17/99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

F. Northern Arizona University



University Official

**Kathryn Cruz-Urbe
Interim Associate Provost
Research/Graduate Studies**

12/15/98
Date

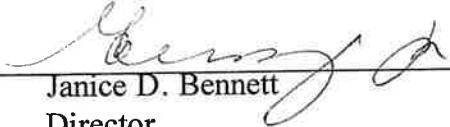


University Financial Official

12-16-98
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

G. Arizona State University



Janice D. Bennett
Director
Office of Research & Creative Activities

4.22.99
Date

PROJECT DIRECTOR APPROVAL

I have reviewed the terms of this contract and they are acceptable to me. I request that an authorized signatory execute this contract on behalf of the university.

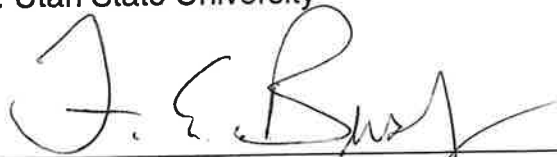


Charles L. Redman

4/2/99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

H. Utah State University



College of Natural Resources

4-10-99
Date



Contracts and Grants
Michael R. Lewis, Director

4/22/99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

I. University of Nevada-Reno

Mary B. Husemoller _____

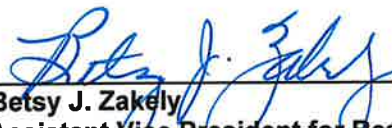
5/12/99
Date

**Office Of Sponsored
Projects Administration**


MAR 25 1999

ARTICLE XIII – AUTHORIZING SIGNATURES (cont.)


J. Colorado State University



Betsy J. Zakely
Assistant Vice President for Research



Date

 Note: Signature by Colorado State University is conditioned on terms of acceptance set forth in the letter dated 5/19/99 from Henry Hooper to Kathi Delehoy and the transmittal letter from Betsy Zakely to Henry Hooper dated 5/19/99.

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

K. Haskell Indian Nations University

Dr. Bob Martin

Dr. Bob Martin
President
Haskell Indian Nations University

5-6-98

Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

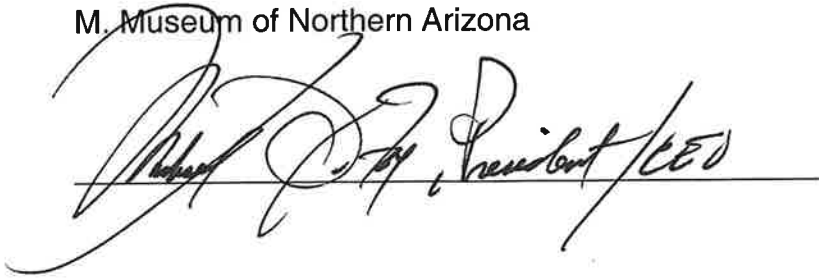
L. Diné College



4-6-89
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

M. Museum of Northern Arizona



3-27-99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

N. The Arboretum at Flagstaff

Lynda A. Hatch

4/30/99
Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

[O.] **The Colorado Plateau Forum**

Patricia Smith

5-14-99
Date

ARTICLE XIII – AUTHORIZING SIGNATURE (cont.)

[P.] Q. Navajo Nation Archeology Department – NAU



Director, Navajo Nation Archeology Department -
Northern Arizona University



Date

ARTICLE XIII - AUTHORIZING SIGNATURES (cont.)

Q. Oregon State University

Mary E. Nunn
for Wilson C. "Toby" Hayes
Vice Provost for Research

4-2-99
Date

ARTICLE XIII – AUTHORIZING SIGNATURES (cont.)

[R.] Arizona Board of Regents
University of Arizona

Lee Anne T. Peters

5/3/99

Date

Lee Anne T. Peters
Contract Officer