

To: Cameron Cox[cdcox@blm.gov]
Cc: Donald Hoffheins[dhoffhei@blm.gov]; Melanie Beckstead[mbeckstead@blm.gov]; Ashcroft, Tyler[tashcrof@blm.gov]; Jones, Christine[cnjones@blm.gov]; Carrie Darcey[cdarcey@blm.gov]
From: Ginn, Allison
Sent: 2017-04-17T11:37:09-04:00
Importance: Normal
Subject: PR and Conflict of Interest Statement for Ethnobotanical Study
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[02 \(PO\) Conflict of Interest.docx](#)
[PR for University of Utah Ethnobotanical Study.doc](#)
[GRANT12321940 UT Natural History Museum, University of Utah.zip](#)

Cameron-

We've assigned cost codes for the University of Utah study (attached). Melanie has all the technical evaluations.

Please sign the attached PR and Conflict of Interest Statement and route the PR form through Don and Carrie to Christine Jones for fund certification. Send the Conflict of Interest Statement to Melanie.

Thanks!

Regards,

Allison Ginn
National Conservation Lands Program Lead
BLM Utah State Office
801-539-4053

[Attachment B]

BUREAU OF LAND MANAGEMENT
Financial Assistance (Cooperative Agreements)



PROJECT PROPOSAL

(Suggested Format)

Instructions: A Project Proposal must be submitted with the Standard Form (SF) 424 Application for Federal Assistance for all BLM Assistance Agreements. Complete each section below. Use additional sheets as needed.
**If this is a continuation of existing BLM cooperative agreement identify the current BLM agreement number and project title below.

Person Submitting Proposal: Randall Irmis, PhD Date: 01/23/2017

Organization Name: Natural History Museum of Utah, University of Utah

**Agreement or Announcement No.: L17AS00001 / L12AC20378

** Agreement or Announcement BLM FY2017 Bureau-wide National Conservation Lands
Title: Scientific Studies Support Program

Estimated Period of Performance: 05/01/2017 to 04/30/2018

BLM POC: _____
Proposed Project Location: Grand Staircase-Escalante National Monument

This work will occur on: ☒ Public Lands ☐ Both Public & Private Lands

MISSION AND OBJECTIVE:

The founding presidential proclamation for Grand Staircase-Escalante National Monument (GSENM) highlighted this area as a scientific frontier for geology and paleontology, emphasizing that its establishment preserved “...one of the best and most continuous records of Late Cretaceous terrestrial life in the world (Clinton, 1996).” These words could not have been more prophetic; the decade and a half of paleontological survey and scientific research on the Kaiparowits Plateau in GSENM have elucidated spectacular ancient ecosystems from 95-75 million years ago that teemed with a vast array previously un-recognized species of amphibians, turtles, lizards, crocodylians, dinosaurs, early mammals, birds, and many other organisms. These discoveries are a direct result of a fifteen-year-long collaborative inventory, collection, and research effort between the Natural History Museum of Utah (NHMU) and GSENM that is just now beginning to paint a much more lucid picture of the significance of the Kaiparowits Plateau’s fossil resources.

This GSENM-NHMU collaboration is guided by Monument Management Plan Decisions SCI-1, SCI-2, and PAL-1, which directs that critical fossil resources deserve inventory and protection (collection). Not only has this project revealed the presence of giant dinosaur-eating alligators, unique new species of horned, duck-billed, and tyrant dinosaurs, as well as fossil dinosaur skeletons covered in skin impressions, but it has surveyed nearly 100,000 acres of fossiliferous Late Cretaceous bedrock exposures, discovering over a thousand significant paleontological sites, and saving thousands of rare fossils from destruction by erosion and/or human impact.

The paleontological survey and research also provides a positive public face for natural science at GSENM and on BLM-managed lands in general, as it is a gateway towards a better public understanding of scientific resources on federal lands. Results from the GSENM-NHMU collaboration reach *millions* of people statewide, nationally, and internationally, through BLM

Project Proposal

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visitor centers, NHMU museum visitation, statewide NHMU education and outreach, and national and international media coverage of GSENM-NHMU scientific research.

By conducting paleontological inventory of the nearly one million acres of Late Cretaceous bedrock exposures at GSENM, this collaborative project not only identifies and protects the fossil resources for which the monument was founded, but also opens a critical window onto the unique ancient ecosystems that are preserved nowhere else on earth. Our work over the past 14 years has discovered nearly three thousand fossil specimens of species of dinosaurs, crocodylians, turtles, lizards, mammals, and other organisms that are only found in the 95-75 million-year-old rocks at GSENM; at least twenty of the dinosaur species alone are completely new to science. These ecosystems represent the height of dinosaur diversity, just 10 million years before they went extinct.

Even more important than the discovery of numerous new species is that these data demonstrate that each local region of western North America during the Late Cretaceous greenhouse world had its own unique ecosystems. We thus look to test the hypothesis that latitudinal differences in climate controlled the evolution of life on land during this time. Furthermore, can we determine if these regional differences were controlled by repeated rise and fall of sea level through the Late Cretaceous? Such research questions are directly relevant for understanding the biotic effects of *current anthropogenically-forced global climate change, which is leading to a warming high-CO₂ world not unlike the Late Cretaceous.*

RESEARCH THEME AND TECHNICAL APPROACH:

Please identify which themes apply to your projects (please check boxes that apply by placing cursor in front of the box and clicking twice):

- ☒ ***Research Identified in Unit Science Plans (for National Monuments, National Conservation Areas, and Similar Designations)***
- ☐ *Effectiveness Research*
- ☒ ***Standardized Inventory and Monitoring***
- ☐ *Research Syntheses*
- ☐ *Citizen Science*
- ☐ *Other Management-Driven Research* All themes and goals apply

Fieldwork - We propose to continue the inventory, monitoring, and scientific collection of Late Cretaceous bedrock exposures in GSENM, starting with Wahweap Headwaters area and east towards the Blue Wash headwaters area (Kaiparowits Fm) that was not previously accessible (SE portion of Canaan Peak Quad), areas north and east of Nipple Spring (Wahweap and Straight Cliffs fms), the area between Wahweap Wash and Blue Wash in the northeast portion of the Butler Valley Quad, northern Horse Mountain area (NW quadrant), the Four Mile Bench Flats, and north of Death Ridge (all Kaiparowits Formation), for a joint BLM-NHMU total of 3,000 acres. In particular, a very rare associated tyrannosaurid skeleton requires excavation in the NE Butler Valley Quad, and this area requires extensive inventory. Nearby exposures to the north and west have not been systematically surveyed and inventoried in ten years. The paleontological resources of the Straight Cliffs and Wahweap formations are poorly known; we will also focus on surveying these formations given our success in discovering significant sites the past five years, including an extremely rare 80-million-year old proto-duck-billed dinosaur, an 80 million-year-old giant crocodylian, and the first diagnostic carnivorous dinosaur and turtle remains from these formations.

During inventory the crews will walk in teams of two to three abreast over exposed bedrock,

recording in detail via GPS, notebooks, standardized forms, and photographs the location of any significant fossil resource encountered. Late summer would be spent conducting additional inventory, and collection/stabilization of significant specimens that can be collected on surface authority or have prior authorization. Collection techniques consist of photo documenting the site and re-acquiring GPS data prior to collection, along with the recording of the rock context and associated fossils. Sites yielding more than one element are mapped using meter grids. Site maps are subsequently digitized for archival purposes.

Research - In addition to initiating investigation of any important new fossil specimens collected during the 2017 inventory, we will focus our scientific research and publication efforts on a number of already-collected specimens. In particular, a manuscript on a new species of ankylosaurid (armored) dinosaur from the Kaiparowits Formation, which was part of a recent M.S. thesis by Jelle Wiersma under the direction of PI Randall Irmis, is currently in revision for the open access journal *PeerJ*, and we expect that a paper on a second new ankylosaur from the same thesis will be submitted to *Journal of Vertebrate Paleontology* during the first half of 2017. Irmis is about to submit a manuscript with Dr. Alan Titus (GSENM) on the giant alligator *Deinosuchus*. Irmis also has in preparation two manuscripts with Dr. Joseph Sertich (Denver Museum of Nature & Science) that will be submitted for publication in 2017: one on a new species that is the oldest caiman-relative yet discovered, and a second on important new material of a large crocodilian called *Denazinosuchus*. NHMU preparator Tylor Birthisel continues to work on his M.S. thesis on skull growth and variation of the crested duck-billed dinosaur *Parasaurolophus* (started in Fall 2016), based on nearly a dozen skulls collected by NHMU & BLM crews from GSENM during this partnership. *By placing these new discoveries in an evolutionary and geologic context, we can start testing our research questions about latitudinal zonation and effects of sea level change.* Finally, undergraduate student Nathan Ong is using bone histology to study ontogenetic change in soft-shelled turtles (trionychoids) from the Kaiparowits Formation; he presented this work at the 2016 Society of Vertebrate Paleontology Annual Meeting, and is currently writing it up for publication in a peer-reviewed journal.

Data Management - All information related to the survey will be archived digitally. Specimen and site records will be input into NHMU's new collections database that uses the EMu software platform. This system also allows us to archive associated records (field notes, photos, accession records, preparation and conservation records, publications, etc) through its digital asset management system. We can also generate custom reports at the BLM's request. Site and specimen information will be provided to the BLM in multiple formats, including as spreadsheets (Excel or CSV) and GIS-compatible files.

Public Dissemination, Education, and Outreach - New fossil discoveries and research findings are integrated into all aspects of NHMU's public and school programs. Fossil casts and new research will be added to our on-site programs such as *Scientist in the Spotlight*, *Junior Science Academy*, and teacher workshops, as well as off-site programs such as *Museum on the Move* and *Teaching Toolboxes*. Work on new fossil specimens from GSENM is publically visible daily, as our fossil preparation lab has large windows through which students and visitors can observe fossils being extracted from their rocky matrix. Collections work is also featured annually in NHMU's 2-day *Behind the Scenes* event, an open house for the public to see specimens in the collections that are not otherwise on display. In 2017, two new skeletal mounts of GSENM fossils will go on display; in early 2017 the new armored dinosaur species mentioned above will be exhibited coincident with publication, and later in the year it will be joined by a juvenile of the horned dinosaur species *Utahceratops*. Coinciding with the paper's publication, we also plan to put on display the original fossil of the new caiman-relative mentioned above. Our new digital database EMu has a web-based public portal so that the public can search our collections and see photos of specimens not on display (all sensitive information such as site coordinates are redacted). Finally, we publish scientific results published in a variety of technical

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journals (with Open Access options where possible), and we will issue press releases and related material that publicize an accessible summary of the exciting new discoveries and research coming from the GSENM-NHMU partnership.

Mitigation of Resource Degradation - To prevent the degradation or destruction of newly discovered fossil resources, we will prioritize the collection of significant fossil specimens deemed to be at risk. This work will be done in consultation with GSENM paleontologist Alan Titus. All newly located paleontological sites will be evaluated for risk to resources, and these management recommendations will be forwarded to GSENM as part of our annual report. We will specifically note any sites that appear to be at risk to vandalism or degradation from visitor traffic. Finally, we continually re-visit previously-located sites to monitor the condition of existing paleontological resources.

Project Evaluation - The project will be fully successful if NHMU & GSENM jointly monitor 50 sites and inventory 3,000 acres. Also, fieldwork at the four to six sites estimated to need collection will be finished by November 2017. In addition, the submittal of the two manuscripts and final report with GIS data must be made by March of 2018 and the skeletal mounts will also be installed by that time. A moderately successful outcome would be if only 75-80% of the targets for monitoring, collection, and inventory were met and only one exhibit and one paper finished, however this is at full funding levels (\$20K). Not successful would see 60% or less of each target accomplished and neither a paper nor exhibit submitted.

NHMU work will be monitored by the GSENM paleontologist. This person will monitor our fieldwork progress and ensure that we are meeting our goals with respect to the timeline and objectives outlined above. In the past, we have been in contact with the GSENM paleontologist on a weekly to monthly basis.

Milestone / Task / Activity	Start Date	Completion Date
Background research, planning, and coordination with BLM field office and GSENM	March 2017	May 2017
Fieldwork in GSENM to inventory fossil resources. Tasks include systematic prospecting to identify new fossil sites, evaluation of these sites, and excavation of those sites under risk. This will be undertaken by crews of trained staff and volunteers from the NHMU	May 2017	October 2017
Preparation and curation begun at the NHMU of specimens collected in 2017	August 2017	December 2017
Preparation and submission of final report to BLM	November 2017	March 2018

PUBLIC BENEFIT:

By collaborating with GSENM staff to survey, inventory, collect, and research Cretaceous paleontological resources within the monument, we are providing strong value to the general public in a number of ways. At a fundamental level, this work provides a baseline understanding for the fossil resources within the monument, so that these resources can be effectively managed and preserved – one of the main goals of designating a particular area of federal land as a national monument. Thus, this helps keep these fossils in the public trust, enriches the visitor experience, and deepens the public's understanding of science and natural history. In the specific case of GSENM, our discoveries have shown that not only is this a fossil-rich monument, but the Late Cretaceous ecosystems preserved within its boundaries are unique among those known worldwide, with species of plants and animals (including dinosaurs) not found anywhere else on earth. As these discoveries are disseminated to the public through

exhibits, public (interpretive) programs, educational programs, and the news media, it fosters a greater appreciation and respect for GSENM and public lands in general, particularly for non-renewable scientific resources such as fossils that can be easily damaged.

As outlined in the 'Past Performance' section below, the results of our collaborative project with GSENM are broadly disseminated to the public in many different ways. Statewide, our education programs reach over 100,000 K-12 students each year, and exhibits at GSENM and NHMU reach well over 300,000 nationwide and international visitors per year. We also reach a worldwide audience, with over 100,000 people reading our open-access publication of scientific journal articles, and *millions* of people reading about these discoveries in the news media. This ability to interface with the public on a local, statewide, national, and international levels makes our GSENM-NHMU partnership a singular project in educating the public about the value of paleontology, science, and public lands. Paleontology provides an intuitive and accessible gateway to natural science and conservation for all ages, and increases the wonder and excitement that visitors feel when visiting a national monument. Our work at GSENM brings to the forefront these long-vanished environments and organisms from millions of years ago and provides to the public a tangible connection to understand change through time, the history of life on earth, and the value of science on public lands.

QUALIFICATIONS, PAST PERFORMANCE, ACTIVE BLM COOPERATIVE AGREEMENTS:

Our previous collaborative GSENM-NHMU paleontological survey, inventory, monitoring, and research work in Grand Staircase-Escalante National Monument has been conducted under a succession of assistance agreements: JSA015003, JSA071004, and L12AC20378. A summary of the accomplishments and work done under these agreement is presented below.

Resource & Scientific Significance - NHMU teams have logged a total of 950 days of fieldwork, amounting to 6,255 person days, for a grand total of about 56,875 person hours of fieldwork alone. During this time, the area surveyed in both the Wahweap and Kaiparowits formations has totaled ~48,340 acres. Over 964 vertebrate localities have been discovered, and over 3,200 vertebrate fossils saved from erosion, including over 95 partial to complete skeletons. Scientific discoveries include four new species of giant herbivorous horned dinosaurs (Kirkland & DeBlieux, 2010; Sampson et al., 2010, 2013; Lund et al. 2016a,b), a new species of giant duck-billed dinosaur (Gates & Sampson, 2007), two new species of giant carnivorous tyrannosaurs (Carr et al., 2011; Loewen et al., 2013), a sickle-clawed "raptor" dinosaur (Zanno et al., 2011), six different species of crocodylians including the giant dinosaur-eating alligator *Deinosuchus* (Irmis et al., 2013), and over a dozen species of turtles, including a new pig-nosed species (Lively, 2015, 2016; Hutchison et al., 2013).

Public Value - The results of this collaborative GSENM-NHMU project have literally reached millions of people statewide, nationwide, and internationally. Research products include over twenty peer-reviewed scientific articles, dozens of presentations at scientific meetings, two internationally-attended symposia, a 634 page multi-authored scientific volume (Titus & Loewen, 2013), and four professional society field trips. We have committed to publishing this work in open-access venues so that all U.S. citizens can read the results; the last six open-access papers (Sampson et al., 2010, 2013; Zanno et al., 2011; Boyd et al., 2013; Loewen et al., 2013; Lund et al., 2016b) have been read by a combined total of over 136,000 people, and shared via social media by over 20,000 people, a remarkable feat given these are technical scientific articles. These discoveries have been broadcast by thousands of media outlets nationally and internationally. For example, the recent announcement of the new pig-nosed turtle species *Arvinachelys* caught public imagination and was covered by 613 media outlets; the recent new

tyrannosaur *Lythronax* was covered by nearly 1100 outlets. The *Arvinachelys* press release (October 2015) resulted in positive media exposure for the BLM and GSENM equivalent to \$7.74 million in advertising. More recently, in May 2016, the announcement of the new horned dinosaur *Machairoceratops* was covered by nearly 100 media outlets worldwide. We expect that our early 2017 publication of a new species of armored dinosaur, which is also set to be in an open-access journal (*PeerJ*), will garner similar positive coverage for GSENM. Additionally, the cooperative GSENM-NHMU project was the focus of a feature article in the May 2014 issue of *National Geographic Magazine*, and was promoted in a July 2015 *New York Times* feature article (<http://tinyurl.com/oj5bdg9>). Finally, research, specimens, and scientists from the GSENM-NHMU partnership have been featured in a new richly-illustrated popular science book by Christa Sadler entitled '*Where Dinosaurs Roamed: Lost Worlds of Utah's Grand Staircase*', published by Glen Canyon Natural History Association in November 2016.

Even more important is how these scientific discoveries can directly reach the public and transform their understanding of the history of life on earth, and the importance of scientific resources from federally-managed lands. These discoveries, including hundreds of original fossils from GSENM, are featured in the 90,000 square-foot *Utah's Past Worlds* Gallery at the Natural History Museum of Utah. Since opening the new building at NHMU in late 2011, the exhibits have been visited by over 1.53 million people, with 266,316 visitors in calendar year 2016 alone. In early November 2013 we opened a special exhibit focusing on the new GSENM tyrannosaur *Lythronax*, and have had over 950,000 visitors to date. GSENM fossils were also featured in our *Behind the Scenes* event in November 2016, which allows visitors to see collections not normally on display; we received over 3,000 visitors in this two-day event. *Lythronax* and GSENM fossils in our exhibits and preparation lab were part of the 2016 NHMU legislative evening, attended by over 670 Utah state and county legislators and their families; we expect similar attendance at this year's event. GSENM fossils are also featured in a 3-year exhibit at the Utah State Capitol entitled 'A Paleontologist's Paradise', **where they are seen by state legislators, staffers, and over 150,000 members of the public each year.**

Educational benefits from this work are equally critical. In addition to the many University of Utah students that visit NHMU exhibits (including 150-200 per semester from the World of Dinosaurs course), we have made it a priority to integrate K-12 education with our work. During the 2015-2016 school year, 57,000 K-12 students and teachers visited NHMU on class field trips. We also strive to reach classrooms statewide by bringing programs to schools themselves. Our outreach programs such as *Museum on the Move* focus on core curriculum objectives, and feature replicas (casts) of GSENM fossils; these programs reached over 25,700 elementary students and teachers in the 2015-16 school year. Finally, we loan teaching toolkits that also feature GSENM fossil casts to K-12 teachers throughout the state, and this program reached an additional 41,700 students and teachers this past school year.

A separate project awarded through funding opportunity L16AS00092 in FY2016 was a collaborative project between NHMU and the BLM Utah Moab Field Office to produce a series of short web videos about dinosaur tracksites in and around Moab that A) encouraged the public to visit the sites while also promoting the new **Respect and Protect** initiative; and B) give an informative introduction to the paleontology of each site. Planning for this project occurred in Spring and early Summer 2016, and filming occurred over a one-week period in late August 2016. Editing and post-production occurred during Fall 2016, and preliminary versions of the videos were presented at the 76th Society of Vertebrate Paleontology Annual Meeting in Salt Lake City, UT (Hunt-Foster et al., 2016). The videos have now been finalized, and we are working to develop contextual web content to go along with them; all content should be publically available by March 2017, and promoted through both NHMU and BLM social media.

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[Attachment B]

BUREAU OF LAND MANAGEMENT
Financial Assistance (Cooperative Agreements)



BUDGET DETAIL

(Suggested Format)

Instructions: Using the estimated amounts listed on your SF 424A Budget Information form, use this worksheet to provide details of those estimated costs. In the Narrative Boxes, explain the purpose of each cost and provide sufficient detail so costs may be analyzed for reasonableness.

Agreement or Funding Opportunity No.: L17AS00001 / L12AC20378 Date: 01/23/2017

Organization Name: Natural History Museum of Utah, University of Utah

Project Title: Critical Dinosaur Fossil Resource Protection, Inventory, and Salvage: Late Cretaceous...

A) PERSONNEL COSTS (SF-424A Object Class Category 6a.)					
Estimated costs of salaries/wages, <u>not</u> including fringe benefits, paid to Recipient employees working directly on this agreement. Indicate Key Personnel with an asterisk (*), provide more detail in the Narrative Box if needed.					
Name & Title or Position Title	Salary or Wage	Months or Hours	Matching Funds (if applicable)	BLM Funds	Personnel Justification
*Randall Irmis, Curator and PI		.5 mo		\$2848	
*Tylor Birthisel, Field Manager		2 mo		\$3866	
NHMu Paleo trained volunteers	\$22.51/hr	800	\$18,008		
<i>Example: James Smith, Executive Director</i>	<i>\$20,000.00/Mo.</i>	<i>3 Mos.</i>	<i>\$15,000.00</i>	<i>\$45,000.00</i>	
A) TOTAL PERSONNEL COSTS: (SF 424A Object Class Category 6a. Personnel)			\$18008	\$6714	
<p><u>Budget justification of costs:</u></p> <p>The Principal Investigator (PI) Irmis from NHMu will dedicate at least a month of his working time toward achieving the goals outlined herein. The field managers will spend at least two months directing fieldwork during the summer of 2017. This allows completion of the goals set forth in the proposal.</p> <p>NHMu Paleontology trained volunteers spend at least 800 hours of time in the field and lab dedicated to the proposed project. Calculated at equivalent to an hourly rate of \$22.51 for the Independent Sector, these volunteer hours are worth the equivalent of \$18008 as matching funds.</p>					

Budget Detail

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B) FRINGE BENEFIT COSTS (SF-424A Object Class Category 6b.)

Estimated costs of fringe benefits (e.g. health insurance, vacation, FICA, etc.) paid to Recipient employees working on this agreement. List employees/positions below, and their fringe benefit rates as a percentage (%) of their salaries. List what are considered fringe benefits in the Narrative Box.

Name & Title/Position	Salary/Wage Base (BLM Amounts budgeted in Section A above)	Fringe Benefit Rate (%)	Matching Funds (if applicable)	BLM Funds
Randall Irmis, Curator and PI	\$2848	40%		\$1139
Tylor Birthisel, Field Manager	\$3866	40%		\$1547
<i>Example: James Smith, Executive Director</i>	\$20,000.00	30%	\$0.00	\$6,000.00
B) TOTAL FRINGE BENEFIT COSTS: (SF 424A Object Class Category 6b. Fringe Benefits)			\$	\$2686

Budget Justification of Costs:

University of Utah fringe benefits are calculated at 40% of base salary for all employees above 0.75 FTE.

Budget Detail

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C) TRAVEL COSTS (SF-424A Object Class Category 6c.)						
SUB TOTAL, LODGING & PER DIEM The cost of lodging & meals while traveling for agreement activities. Give details and purpose of the travel in the Narrative Box. Current Federal rates may be found online at: http://www.gsa.gov/portal/category/21287 .						
Proposed Travel (Lodging & Per Diem)		No. of People	No. of Days	Cost Per Person Per Day	Matching Funds (if applicable)	BLM Funds
To:						
From:						
To:						
From:						
To:	Example: Portland, OR	1	2	\$150.00/Day	\$100.00	\$200.00
From:	Eugene, OR					
SUB TOTAL, MILEAGE REIMBURSEMENT The cost of reimbursement for estimated mileage traveled in recipient vehicles for agreement activities. Give details and the purpose of the travel in the Narrative Box. Current Federal mileage reimbursement rates may be found online at: www.GSA.gov . NOTE: Mileage reimbursement rates include all vehicle costs, i.e. fuel, insurance, maintenance, etc.						
Proposed Travel (Mileage Reimbursement)		No. of Miles	No. of Trips	Cost Per Mile	Matching Funds (if applicable)	BLM Funds
To:						
From:						
To:						
From:						
To:	Example: Portland, OR	110 Miles	2	\$0.10/Mile	\$0.00	\$22.00
From:	Eugene, OR					
SUB TOTAL, OTHER TRAVEL COSTS The costs of airfare, bus fare, car rental, etc., required for agreement activities. Explain the details and the purpose of the costs in the Narrative Box.						
Proposed Other (Travel Reimbursement)		Type	Cost	No.	Matching Funds (if applicable)	BLM Funds
To:						
From:						
To:						
From:						
To:						
From:						
C) TOTAL TRAVEL COSTS: (SF 424A Object Class Category 6c. Travel)					\$	\$
<u>Budget justification of costs::</u>						

Budget Detail

Page 4

D) EQUIPMENT COSTS (SF-424A Object Class Category 6d. Equipment)

The cost of equipment purchased for use on this agreement. Equipment is defined as items with a useful life of more than one (1) year and a cost of \$5,000+ per unit. If your organization has a written policy for purchasing equipment, please submit a copy with your application. Explain the need and purpose of the equipment in the Narrative Box below.

Equipment	Quantity	Cost per Unit	Matching Funds (if applicable)	BLM Funds
<i>Example: John Deere Compact Tractor</i>	1	\$17,500.00	\$7,500.00	\$10,000.00

D) TOTAL EQUIPMENT COSTS:

(SF 424A Object Class Category 6d. Equipment)

\$

\$

Budget justification of costs:

E) SUPPLY COSTS (SF-424A Object Class Category 6e. Supplies)

Estimated costs of materials and supplies used directly on this agreement, e.g. safety glasses, work gloves, office supplies, etc. If your organization has a written policy for purchasing supplies, please submit a copy with your application. Explain the purpose of the costs in the Narrative Box below.

Item	Quantity	Cost per Unit	Matching Funds (if applicable)	BLM Funds
Excavation supplies and consumables				\$1500
Mapping supplies				\$250
Camping supplies				\$1000
Vehicle fuel				\$1500
Food for field crew				\$2000
Collections cabinets and curation supplies				\$2000
<i>Example: Work Gloves, Leather</i>	6	\$10.00/Pair	\$50.00	\$10.00

E) SUPPLY COST TOTAL:

(SF 424A Object Class Category 6e. Supplies)

\$

\$8250

Budget justification of costs:

NHMu only requests funds for consumables and minor replacement of supplies that wear out from normal use every two three years, as well as vehicle fuel to travel to/from fieldwork. We also request partial funding to house and curate fossils collected as part of this project (drawers and specimen boxes). Amounts are based on actual costs incurred for 2016 GSENM fieldwork.

Budget Detail

Page 5

F) CONTRACTUAL COSTS (SF-424A Object Class Category 6f. Contractual)

Estimated costs of contracted/sub contracted services and sub grant/recipient awards. If your organization has a written contracting policy, please submit a copy with your application. Provide contractor names, if available, and explain the details and purposes of the costs in the Narrative Box below. **NOTE:** Calculation of your Indirect Costs may be affected by contracted and/or pass through expenses. See Section J) INDIRECT COSTS, for more information.

Contractor Name, Type, etc.	Cost	Matching Funds (if applicable)	BLM Funds
<i>Example: Ace Delivery Service (Yearly Contract)</i>	\$2,500.00	\$0.00	\$2,500.00
F) CONTRACTUAL COST TOTAL: (SF 424A Object Class Category 6f. Contractual)		\$	\$

Budget justification of costs:

G) CONSTRUCTION COSTS (SF-424A Object Class Category 6g. Construction)

The estimated costs of construction. "Construction" is the intent to construct, alter, or repair (including dredging, excavating, and painting) buildings, structures, or other real property FAR Part 2 Definitions. Explain the details and purpose of the costs in the Narrative Box below.

Contractor: Name/Type/Organization/Etc.	Cost	Matching Funds (if applicable)	BLM Funds
G) CONSTRUCTION COST TOTAL: (SF 424A Object Class Category 6g. Construction)		\$	\$

Budget justification of costs:

Budget Detail

Page 6

H) OTHER COSTS (SF-424A Object Class Category 6h. Other)

Estimated costs which don't fit any other Object Class Category, e.g. duplicating and printing costs, postage and freight, rental of equipment, etc. Explain the details and purpose of the costs in the Narrative Box below.

Item	Cost	Matching Funds (if applicable)	BLM Funds
<i>Example: Ace Equipment Rental (Post-Hole Digger, 4 Days)</i>	<i>\$25/Day</i>	<i>\$0.00</i>	<i>\$100.00</i>
H) OTHER COSTS TOTAL: (SF 424A Object Class Category 6h. Other)		\$	\$
<u>Budget justification of costs:</u>			

I) TOTAL DIRECT COSTS (SF-424A Object Class Category 6i. Sum of 6a.-6h.)

The total of all direct costs applicable to this project.

Total Direct Costs	Matching Funds (if applicable)	BLM Funds
I) TOTAL DIRECT COSTS: (SF 424A Object Class Category 6i. Total, Sum of 6a. 6h.)	\$18008	\$17650

J) INDIRECT COSTS (SF-424A Object Class Category 6j. Indirect Charges)

Indirect costs are expenses which cannot be readily identified and charged to a particular project or agreement, e.g. building rent, utilities, office supplies, etc. Such costs are charged to the project as a percentage of the Direct Costs (items A through H above) and this percentage is called the Indirect Cost Rate. If your organization has a Negotiated Indirect Cost Rate Agreement (NICRA) please submit a copy of the agreement with your application. If your organization has no NICRA, the BLM may allow a "de minimis" indirect cost rate of up to 10% of your Modified Total Direct Costs (MTDC), which are your Direct Costs excluding sub grant and sub contract costs in excess of \$25,000. See 2 CFR 200.68 Modified Total Direct Cost (MTDC) and 2 CFR 200.414(f) Indirect (F&A) Costs for more information.

If your organization is a Cooperative Ecosystems Studies Unit (CESU) partner, your indirect cost rate will be 17.5% of your NICRA determined indirect cost base.

Use the Narrative Box below to explain how you calculated your indirect cost base and resulting indirect costs.

Indirect Cost Rate to be used on this Grant (%):	17.5%		
Indirect Cost Base for this Grant:	\$17650		
Total Indirect Costs	Matching Funds (if applicable)	BLM Funds	
J) TOTAL INDIRECT COSTS: (SF 424A Object Class Category 6j. Indirect Charges)	\$2683	\$3089	
<u>Budget justification of costs:</u>			
University of Utah is a CESU partner, and thus indirect costs are calculated at 17.5%. The University of Utah will match with unrecovered F&A at 15.2% of direct costs = \$2683			

K) TOTALS (SF-424A Object Class Category 6k. TOTALS)

The sum total of all Direct and Indirect Costs (Sum of 6i. & 6j.) applicable to this agreement.

Total Project Costs	Matching Funds (if applicable)	BLM Funds
K) TOTAL COSTS: (SF 424A Object Class Category 6k. TOTALS)	\$20691	\$20739

I certify that to the best of my knowledge the costs detailed above are correct and complete and for the purposes set forth in the associated application for Federal Assistance.

Randall Irmis, Curator and Associate Professor

Name & Title of Person Completing Budget

Rev 4/2016

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

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9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE
Brent Brown	Director
APPLICANT ORGANIZATION	DATE SUBMITTED
Natural History Museum of Utah, University of Utah	01/24/2017

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Project Narrative File(s)

* Mandatory Project Narrative File Filename:

[Add Mandatory Project Narrative File](#)

[Delete Mandatory Project Narrative File](#)

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To add more Project Narrative File attachments, please use the attachment buttons below.

[Add Optional Project Narrative File](#)

[Delete Optional Project Narrative File](#)

[View Optional Project Narrative File](#)

Application for Federal Assistance SF-424		
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application		
* 2. Type of Application: <input type="checkbox"/> New <input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Revision		
* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>		
* 3. Date Received: <input type="text" value="01/24/2017"/>		4. Applicant Identifier: <input type="text"/>
5a. Federal Entity Identifier: <input type="text"/>		5b. Federal Award Identifier: <input type="text" value="L12AC20378"/>
State Use Only:		
6. Date Received by State: <input type="text"/>		7. State Application Identifier: <input type="text"/>
8. APPLICANT INFORMATION:		
* a. Legal Name: <input type="text" value="Natural History Museum of Utah, University of Utah"/>		
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="876000525"/>		* c. Organizational DUNS: <input type="text" value="009095365"/>
d. Address:		
* Street1: <input type="text" value="75 South 2000 East"/>		
Street2: <input type="text"/>		
* City: <input type="text" value="Salt Lake City"/>		
County/Parish: <input type="text" value="Salt Lake"/>		
* State: <input type="text" value="UT: Utah"/>		
Province: <input type="text"/>		
* Country: <input type="text" value="USA: UNITED STATES"/>		
* Zip / Postal Code: <input type="text" value="84112 8930"/>		
e. Organizational Unit:		
Department Name: <input type="text" value="OFFICE OF SPONSORED PROJECTS"/>		Division Name: <input type="text" value="VP FOR RESEARCH"/>
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: <input type="text"/>		* First Name: <input type="text" value="WILLIAM"/>
Middle Name: <input type="text"/>		
* Last Name: <input type="text" value="ERNEST"/>		
Suffix: <input type="text"/>		
Title: <input type="text" value="Sponsored Proj Grant & Contrac"/>		
Organizational Affiliation: <input type="text" value="University of Utah"/>		
* Telephone Number: <input type="text" value="801/581 4714"/>		Fax Number: <input type="text" value="801/581 3007"/>
* Email: <input type="text" value="william.ernest@osp.utah.edu"/>		

Application for Federal Assistance SF-424			
* 9. Type of Applicant 1: Select Applicant Type: <input type="text" value="H: Public/State Controlled Institution of Higher Education"/> Type of Applicant 2: Select Applicant Type: <input type="text"/> Type of Applicant 3: Select Applicant Type: <input type="text"/> * Other (specify): <input type="text"/>			
* 10. Name of Federal Agency: <input type="text" value="Bureau of Land Management"/>			
11. Catalog of Federal Domestic Assistance Number: <input type="text" value="15.231"/> CFDA Title: <input type="text" value="Fish, Wildlife and Plant Conservation Resource Management"/>			
* 12. Funding Opportunity Number: <input type="text" value="L17AS00001"/> * Title: <input type="text" value="BLM FY2017 Bureau wide National Conservation Lands Scientific Studies Support Program"/>			
13. Competition Identification Number: <input type="text"/> Title: <input type="text"/>			
14. Areas Affected by Project (Cities, Counties, States, etc.): <input type="text"/> <input type="button" value="Add Attachment"/> <input type="button" value="Delete Attachment"/> <input type="button" value="View Attachment"/>			
* 15. Descriptive Title of Applicant's Project: <input type="text" value="CRITICAL DINOSAUR FOSSIL RESOURCE PROTECTION, INVENTORY, AND SALVAGE: LATE CRETACEOUS FORMATIONS WITHIN GRAND STAIRCASE ESCALANTE NATIONAL MONUMENT"/>			
Attach supporting documents as specified in agency instructions. <input type="button" value="Add Attachments"/> <input type="button" value="Delete Attachments"/> <input type="button" value="View Attachments"/>			

Application for Federal Assistance SF-424	
16. Congressional Districts Of:	
* a. Applicant <input style="width: 80px;" type="text" value="UT 002"/>	* b. Program/Project <input style="width: 80px;" type="text" value="2, 3"/>
Attach an additional list of Program/Project Congressional Districts if needed. <div style="display: flex; align-items: center; gap: 10px;"> <input style="width: 200px;" type="text"/> <div> <input type="button" value="Add Attachment"/> <input type="button" value="Delete Attachment"/> <input type="button" value="View Attachment"/> </div> </div>	
17. Proposed Project:	
* a. Start Date: <input style="width: 80px;" type="text" value="05/01/2017"/>	* b. End Date: <input style="width: 80px;" type="text" value="04/30/2018"/>
18. Estimated Funding (\$):	
* a. Federal	<input style="width: 100px;" type="text" value="20,739.00"/>
* b. Applicant	<input style="width: 100px;" type="text" value="20,691.00"/>
* c. State	<input style="width: 100px;" type="text" value="0.00"/>
* d. Local	<input style="width: 100px;" type="text" value="0.00"/>
* e. Other	<input style="width: 100px;" type="text" value="0.00"/>
* f. Program Income	<input style="width: 100px;" type="text" value="0.00"/>
* g. TOTAL	<input style="width: 100px;" type="text" value="41,430.00"/>
* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?	
<input type="checkbox"/> a. This application was made available to the State under the Executive Order 12372 Process for review on <input style="width: 80px;" type="text"/> .	
<input type="checkbox"/> b. Program is subject to E.O. 12372 but has not been selected by the State for review.	
<input checked="" type="checkbox"/> c. Program is not covered by E.O. 12372.	
* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If "Yes", provide explanation and attach <div style="display: flex; align-items: center; gap: 10px;"> <input style="width: 200px;" type="text"/> <div> <input type="button" value="Add Attachment"/> <input type="button" value="Delete Attachment"/> <input type="button" value="View Attachment"/> </div> </div>	
21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001) <input checked="" type="checkbox"/> ** I AGREE	
** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.	
Authorized Representative:	
Prefix: <input style="width: 100px;" type="text"/>	* First Name: <input style="width: 150px;" type="text" value="Brent"/>
Middle Name: <input style="width: 150px;" type="text"/>	
* Last Name: <input style="width: 200px;" type="text" value="Brown"/>	
Suffix: <input style="width: 100px;" type="text"/>	
* Title: <input style="width: 150px;" type="text" value="Director"/>	
* Telephone Number: <input style="width: 100px;" type="text" value="801 581 6903"/>	Fax Number: <input style="width: 100px;" type="text" value="801 585 5749"/>
* Email: <input style="width: 200px;" type="text" value="ospawards@osp.utah.edu"/>	
* Signature of Authorized Representative: <input style="width: 150px;" type="text" value="Brent Brown"/>	* Date Signed: <input style="width: 100px;" type="text" value="01/24/2017"/>

BUDGET INFORMATION - Non-Construction ProgramsOMB Number: 4040-0006
Expiration Date: 01/31/2019**SECTION A - BUDGET SUMMARY**

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. L17AS00001		\$	\$	\$ 20,739.00	\$ 20,691.00	\$ 41,430.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 20,739.00	\$ 20,691.00	\$ 41,430.00

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Tracking Number: GRANT12321940

Funding Opportunity Number: L17AS00001 Received Date: Jan 24, 2017 12:06:08 PM EST

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	L17AS00001				
a. Personnel	\$ 6,714.00	\$	\$	\$	\$ 6,714.00
b. Fringe Benefits	2,686.00				2,686.00
c. Travel					
d. Equipment					
e. Supplies	8,250.00				8,250.00
f. Contractual					
g. Construction					
h. Other					
i. Total Direct Charges (sum of 6a-6h)	17,650.00				\$ 17,650.00
j. Indirect Charges	3,089.00				\$ 3,089.00
k. TOTALS (sum of 6i and 6j)	\$ 20,739.00	\$	\$	\$	\$ 20,739.00
7. Program Income	\$	\$	\$	\$	\$

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS
8.	L17AS00001	\$ 20,691.00	\$	\$	\$ 20,691.00
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 20,691.00	\$	\$	\$ 20,691.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 20,739.00	\$ 10,370.00	\$ 3,457.00	\$ 3,456.00	\$ 3,456.00
14. Non-Federal	\$ 20,691.00	\$ 10,346.00	\$ 3,449.00	\$ 3,448.00	\$ 3,448.00
15. TOTAL (sum of lines 13 and 14)	\$ 41,430.00	\$ 20,716.00	\$ 6,906.00	\$ 6,904.00	\$ 6,904.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b) First	(c) Second	(d) Third	(e) Fourth
16.		\$	\$	\$	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges: 17650	22. Indirect Charges: 3089
23. Remarks:	

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Tracking Number: GRANT12321940

Funding Opportunity Number: L17AS00001 Received Date: Jan 24, 2017 12:06:08 PM EST

DOI-2020-07 02522

BUREAU OF LAND MANAGEMENT
Grants & Cooperative Agreements



**CONFLICT OF INTEREST
NON-DISCLOSURE CERTIFICATE**

Department of the Interior

Funding Opportunity or Agreement No.: L17AS00001 (NLCS)

Recipient: University of Utah

Project Title: Ecosystems and Plant Resources of Archaeological Sites in the Four Corners Region, USA

1. I certify that I am not aware of any matter which might affect my ability to participate in the proposal evaluation proceedings and activities associated with the above Funding Opportunity Announcement Number in an objective and unbiased manner or which might place me in a position of conflict, real or apparent, between my responsibilities as an evaluator or advisor and other interests.

2. In making this certification, I have considered all my stocks, bonds, other financial interests, positions of trust, employment arrangements (past, present, or under consideration) and, to the extent known by me, all the financial interests, close personal relationships, positions of trust and employment arrangements of my spouse, my children, and other members of my immediate household.

3. If, after the date of this certification, to my knowledge, I have a change of circumstance addressed in paragraph 2. above (including my spouse, children, and other members of my immediate household) regarding the proposed project above, I will notify the Grants Officer. Thereafter, based on advice to do so from the servicing Ethics Counselor, I will agree not to participate further in any way (e.g., by rendering advice, making recommendations, or scoring proposals,) in the proposed project or award.

4. I have read and understand the information contained in Attachment A regarding Employee Responsibility and Conduct Regulations of the Department of the Interior.

Cameron Cox

Printed Name

Signature

Date

This Certification contains a matter within the jurisdiction of an agency of the United States and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001

NOTE: This certification must be completed prior to any award.

Conflict of Interest Non-Disclosure Certificate

Attachment A

FEDERAL EMPLOYEE NON-DISCLOSURE STATEMENT

The proper treatment of official information related to the financial assistance process (requirement definition, validation, evaluation, selection proceedings, negotiations, etc.) is of the utmost importance.

An employee may not directly or indirectly use or allow the use of official information obtained through or in connection with his Government employment. Attention is invited to the provisions of 43 CFR Part 12 - Administrative and Audit Requirements and Cost Principals for Assistance Programs.

Title 18 U.S.C. 201 prescribes specific penalties for a Government official accepting, or anyone directly or indirectly promising to a Government official, anything of value with intent to influence an official act or otherwise influence the Government official.

U.S.C. Title 18, Sec. 1905, states: "Whoever, being an officer or employee of the United States or any department or agency thereof, ..., publishes, divulges, discloses, or makes known in any manner or to any extent not authorized by law any information coming to him in the course of his employment or official duties or by reason of any examination or investigation made by, or return, report or record made to or filed with, such department or agency or officer or employee thereof, which information concerns or relates to the trade secrets, processes, operations, style of work, or apparatus, or to the identity, confidential statistical data, amount or source of any income, profits, losses, or expenditures of any person, firm, partnership, corporation, or association; or permits any income return or copy thereof or any book containing any abstract or particulars thereof to be seen or examined by any person except as provided by law, shall be fined not more than \$1,000 or imprisoned not more than one year; or both; and shall be removed from office or employment."

Title 18 U.S.C. 207 restricts the participation of former Government officers and employees with regard to any matter in which participation has been personal and substantial.

Employees shall not reveal any information to anyone who is not also participating in the same activities, and then only to the extent that such information is required in connection with such activities. Such information is classified "FOR OFFICIAL USE ONLY". The dissemination of information in this category to other parties will be at the sole discretion of the Grants Management Officer. Request for Application information, Technical Evaluation Panel members, applicants proposals, proposal evaluation information and documents, and similar materials will be handled and discussed on a need-to-know basis only. Under no circumstances may application information, proposals, evaluation information, or selection criteria or plans be removed from the confines of the technical evaluation meeting area without the specific authorization of the Grants Management Officer. In this regard, the methodology used or planned for use in evaluating and selecting recipients will not be discussed or otherwise disclosed except on a "need-to-know" basis established by the Grants Management Officer on a case-by-case basis.

Any unauthorized disclosures contrary to the foregoing provisions may result in appropriate disciplinary action pursuant to applicable statutory provision.

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