



### MODIFICATION OF GRANT OR AGREEMENT

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1. U.S. FOREST SERVICE GRANT/AGREEMENT NUMBER: <b>22-CS-11046000-026</b>		2. RECIPIENT/COOPERATOR GRANT or AGREEMENT NUMBER, IF ANY:	3. MODIFICATION NUMBER: <b>001</b>
4. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING GRANT/AGREEMENT (unit name, street, city, state, and zip + 4): <b>USDA, Forest Service Region 4, Intermountain Region 324 25th Street Ogden, UT 84401</b>		5. NAME/ADDRESS OF U.S. FOREST SERVICE UNIT ADMINISTERING PROJECT/ACTIVITY (unit name, street, city, state, and zip + 4):	
6. NAME/ADDRESS OF RECIPIENT/COOPERATOR (street, city, state, and zip + 4, county): <b>Conservation and Natural Resources, Nevada Department of 901 S Stewart St, STE 5002 Carson City, NV 89701</b>		7. RECIPIENT/COOPERATOR'S HHS SUB ACCOUNT NUMBER (For HHS payment use only):	

### 8. PURPOSE OF MODIFICATION

CHECK ALL THAT APPLY:	This modification is issued pursuant to the modification provision in the grant/agreement referenced in item no. 1, above.
<input type="checkbox"/>	CHANGE IN PERFORMANCE PERIOD:
<input checked="" type="checkbox"/>	CHANGE IN FUNDING: Adding \$11,665.00 in FS funds.
<input checked="" type="checkbox"/>	ADMINISTRATIVE CHANGES: Adding additional program contact, Eric Miskow
<input type="checkbox"/>	OTHER (Specify type of modification):

**Except as provided herein, all terms and conditions of the Grant/Agreement referenced in 1, above, remain unchanged and in full force and effect.**

9. ADDITIONAL SPACE FOR DESCRIPTION OF MODIFICATION (add additional pages as needed):

Title: Natural Diversity Data Exchange and Future Collaboration and Project Development for Species Conservation

The purpose of this mod is to add \$11,665.00 in FS funds, update the SOW, and add additional program contact.

Updates the following:

Section II.B.1. PAYMENT/REIMBURSEMENT. The U.S. Forest Service shall reimburse the Nevada Department of Conservation and Natural Resources for the U.S. Forest Service's share of actual expenses incurred, not to exceed agreement total of \$21,665.00, as shown in the financial plans.

Section III. A. PRINCIPAL CONTACTS. Adding the following cooperator program contact:

Eric Miskow  
901 S Stewart St, Ste 5002  
Carson City, NV 89870  
775-684-2901  
emiskow@heritage.nv.gov





**10. ATTACHED DOCUMENTATION (Check all that apply):**

<input checked="" type="checkbox"/>	Revised Scope of Work
<input checked="" type="checkbox"/>	Revised Financial Plan
<input type="checkbox"/>	Other:

**11. SIGNATURES**

**AUTHORIZED REPRESENTATIVE:** BY SIGNATURE BELOW, THE SIGNING PARTIES CERTIFY THAT THEY ARE THE OFFICIAL REPRESENTATIVES OF THEIR RESPECTIVE PARTIES AND AUTHORIZED TO ACT IN THEIR RESPECTIVE AREAS FOR MATTERS RELATED TO THE ABOVE-REFERENCED GRANT/AGREEMENT.

<b>11.A. COOPERATOR SIGNATURE</b>  <small>Digitally signed by Kristin Szabo Date: 2023.07.26 15:02:51 -07'00'</small> (Signature of Signatory Official)	<b>11.B. DATE SIGNED</b>	<b>11.C. U.S. FOREST SERVICE SIGNATURE</b> <b>SHANDA DEKOME</b>  <small>Digitally signed by SHANDA DEKOME Date: 2023.07.28 16:55:59 -06'00'</small> (Signature of Signatory Official)	<b>11.D. DATE SIGNED</b>
<b>11.E. NAME (type or print): KRISTIN SZABO</b>		<b>11.F. NAME (type or print): SHANDA DEKOME</b>	
<b>11.G. TITLE (type or print): Administrator Nevada Division of Natural Heritage</b>		<b>11.H. TITLE (type or print): Director of Natural Resources</b>	

**12. G&A REVIEW**

<b>12.A. The authority and format of this modification have been reviewed and approved for signature by:</b>  <b>ARLENE ALANDT</b> <small>Digitally signed by ARLENE ALANDT Date: 2023.07.21 07:49:26 -06'00'</small>  Arlene Alandt U.S. Forest Service Grants & Agreements Specialist	<b>12.B. DATE SIGNED</b>
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#### Burden Statement

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0217. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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**NDNH SHALL:**

- A. Designate the information management staff at NDNH as the primary source of technical support for and assistance with the natural heritage database and database management issues.
- B. Enter into NDNH databases all data provided by U.S. Forest Service Intermountain Region (USFS-R4) forests and update NDNH database records and conservation status rank within six months of receipt or prior to the following data deliverable, as appropriate. To maximize NDNH staff time efficiency, USFS-R4 exports to NDNH will include only new or updated records since the previous export. Or, if the entire database is provided, all new or updated records since previous exports will be flagged as such to prevent duplication of effort.
- C. Provide semi-annually (by June 30 and December 31) the USFS-R4 with a full export including new and updated “legacy” statewide occurrences of special status plant and animal taxa including (1) USDOJ Fish and Wildlife Service Threatened/ Endangered/ Candidate status (T&E), (2) USFS-R4 Species of Conservation Concern (SCC)\* (3) Forest Sensitive Species (S), and (4) At Risk Species\* (\*as updated in current Regional Species lists for Forests that have gone through Forest Plan Revision).
- D. The USFS-R4 will be provided with exact locality data for all species occurrences in the export except for records mapping to private lands and records in which the original data provided stipulated that NDNH mask locality upon re-distribution. NDNH will validate their surface management layer annually by accessing current USFS-R4 sources to ensure the accuracy of data being used to make this determination. Records that fall outside the USFS-R4 boundary or within inholdings will be delivered at a scale at or below the township level (or 10 km Tessellation cell grid). NDNH will provide record-level documentation that summarizes the method of sensitization that has been applied.
- E. Information that has been delivered to and is stored by USFS-R4 is subject to the Freedom of Information Act (FOIA; 5 U.S.C. §552 as amended) and must be released upon request. There may be limited cases where the data are protected from release through the Federal Cave Resources Protection Act (16 U.S.C. § 4304) or the National Parks Omnibus Management Act, Section 207 (16 U.S.C § 5937), for data that lie on or adjacent to National Park Service Land. To the maximum extent possible, USFS-R4 will exercise due diligence to protect sensitive data and minimize the likelihood of any harmful data release of NDNH data for external and public use. Any and all requests for data access from third parties, including under requests made pursuant to the FOIA shall first be directed to NDNH to ensure the requestor is receiving the most current data.
- F. Both parties anticipate that each semi-annual data export will supersede previous exports, and that previous exports will be archived by the USFS-R4 in compliance with U.S.

Department of Agriculture policies for records retention. Archived data sets will be marked as such, and only the current data export will be used for USFS-R4 business.

- G. Acknowledge the cooperative relationship with the USFS-R4 in NDNH publications or documents.
- H. Will deliver data with a cover letter that provides an overview description of the data, details on data sources, processing methods, and important updates or caveats that users should know about the data. The cover letter may include links to relevant resources and websites, but links cannot be used in place of a narrative.
- I. Will deliver data that is formally documented with current/updated metadata. The USFS-R4 will not accept data that does not have formally documented metadata. An FDGC endorsed metadata standard, such as the ISO 191\*\* Suite, is recommended.
- J. Will deliver data that is in a modern GIS format, such as a file geodatabase (.gdb). The USFS-R4 will only accept shapefiles (.shp) in cases where other formats present an undue technical burden. Data should be delivered with informative and consistent naming conventions for any shapefiles, databases, and feature classes or other database objects.
- K. If needed, provide data utilization training to key USFS-R4 staff, e.g., provide an overview of the dataset, how to find and interpret the metadata, and recommendations for using and analyzing the data.

#### **THE NDNH CAN:**

- A. Develop and apply methodologies to determine the vulnerability of individual rare plant and terrestrial and aquatic animal species and unique ecosystems to climate change. Plant and terrestrial and aquatic species will be based on a prioritization provided by the USFS-R4. The USFS-R4 will provide the prioritization prior to the start of work.
- B. Provide additional resolution on the impacts of climate change on ecosystems if existing accounts are not accurate.
- C. Provide ecosystem accounts for unique plant, terrestrial and aquatic habitats.
- D. Create habitat distribution models for rare plant and terrestrial and aquatic animal species to help predict where rare plant and animal species occur on the terrestrial landscape and aquatic ecosystems:
  - a. Help prioritize habitat inventories; and

- b. Help with project design and mitigation to protect and preserve species.
- E. Monitor populations status and trends, e.g., Is habitat increasing, decreasing, or stable?
- F. Complete monitoring associated with the 2012 Planning Rule.
- G. Complete eDNA inventories.
- H. Complete studies associated with rare plant and animal species and habitat populations.
- I. Provide indicators of biological activities, such as nests and dens while ensuring that the data are handled in a way that is consistent with legislation such as the Federal Cave Resources Protection Act (16 U.S.C. § 4304) and other masking requirements.

**U.S. FOREST SERVICE SHALL:**

- A. Designate data management staff at U.S. Forest Service Intermountain Region (USFS-R4) as the primary source of technical support for and assistance with the natural heritage database and database management issues.
- B. Enter and update all appropriate Idaho, Nevada, Utah, and Wyoming data provided by the state natural heritage programs into the USFS corporate database systems and update conservation ranks where appropriate. Any state data entered into the corporate database systems will be annotated with source information as appropriate.
- C. Provide semi-annually (by June 30 and December 31) the state natural heritage program data managers with a full export including new and updated “legacy” regionwide occurrences of special status plant and animal taxa including (1) USDOJ Fish and Wildlife Service Threatened/ Endangered/ Candidate status (T&E), (2) USFS Intermountain Region Species of Conservation Concern (SCC)\*, (3) Forest Sensitive Species (S), and (4) At Risk Species\* (\*as updated in current Regional Species lists for Forest that have gone through Forest Plan Revision). This data includes all species observation records that have been added to the USFS Natural Resource Manager (NRM) corporate database systems to date.
- D. The Region, Forests, and Ranger Districts are strongly encouraged to enter data and provide important and financially invested inventory and monitoring observations and habitat data of any special status plant and animal species (TES, SCC, and At-Risk Species) in USFS Natural Resource Manager (NRM) corporate database systems (such as the Aquatic Surveys, Wildlife, and Threatened, Endangered, and Sensitive Plants applications) and thus the state natural heritage program database. USFS-R4 personnel

shall also be encouraged to provide information on common species to those state natural heritage programs that are tracking such information. Additional TES plant and animal species information, such as habitat boundaries, may be available upon request.

- E. Acknowledge that plant and animal data delivered to and stored by the USFS is subject to Freedom of Information Act (FOIA) regulations under Federal Law, as well as other legal requirements for data release, such as litigation hold and discovery. There may be limited cases where the data are protected from release through legislation such as the Federal Cave Resources Protection Act (16 U.S.C. § 4304) or the National Parks Omnibus Management Act, Section 207 (16 U.S.C § 5937), for data that lies on or adjacent to National Park Service Land) land). To the maximum extent possible, USFS-R4 will exercise due diligence to protect sensitive data and minimize the likelihood of any harmful data release of natural heritage data for external and public use. Any and all requests for data access from third parties, including under requests made pursuant to the FOIA shall first be directed to appropriate natural heritage program.
- F. The USFS-R4 reserves the right to share state natural heritage data with contractors, partners, and volunteers that have been granted access to USFS virtual network (i.e., granted a USDA Active Directory account, an eAuthentication account, a PIV card, and access to a government-issued computer) or USFS-stored data as part of their job duties associated with the USFS. These contractors, partners, and volunteers are subject to the same information security and records management policies as Federal employees, are required to treat the data in the same way as Federal employees and are subject to ethical handling of any data obtained or stored by USFS, per the FAR Clause | 52.204-21 Basic Safeguarding of Covered Contractor Information Systems. USFS-R4 consultants without secure access to the USFS virtual network will be directed to submit a formal data request to the appropriate natural heritage program.
- G. Acknowledge the cooperative relationship with the state natural heritage programs in USFS-R4 publications or documents that use TES plant and animal data derived from the natural heritage databases.
- H. Will deliver data with a cover letter that provides an overview description of the data, details on data sources, processing methods, and important updates or caveats that users should know about the data. The cover letter may include links to relevant resources and websites, but links cannot be used in place of a narrative.
- I. Will deliver data that is formally documented with current/updated metadata. An FDGC endorsed metadata standard, such as the ISO 191\*\* Suite, is recommended.
- J. Will deliver data that is in a modern GIS format, such as a file geodatabase (.gdb), with informative and consistent naming conventions. The USFS-R4 will only accept shapefiles (.shp) in cases where other formats present an undue technical burden. Data

should be delivered with informative and consistent naming conventions for any shapefiles, databases, and feature classes or other database objects.

- K. If needed, provide data utilization training to key state natural heritage staff, e.g., provide an overview of the dataset, how to find and interpret the metadata, and recommendations for using and analyzing the data.
- L. Recognize the following limitations inherent in state natural heritage program data:
  - a. The data supplied by the state natural heritage programs are only as comprehensive and accurate as the sources from which they originate. In many cases, the sources were herbarium or museum specimens, contract survey reports, and agency files. Comprehensive, site-specific field surveys have not been conducted in all areas by natural heritage staff or others for the majority of special status plants and animals. Further, state natural heritage programs are not routinely capable of detecting and correcting all errors made by the original specimen collectors or report writers.
  - b. As a result of the above considerations, natural heritage program data can seldom provide a definitive statement of presence, absence, or degree of health of TES plant and animal species in most locations. More specifically, it is often impossible to be certain that a rare plant or animal is absent from a location just because its presence is not shown in that location by the database. Only by doing on-the-ground inventory at the proper time of year can one be most confident of species presence or absence in any particular year.
  - c. Ensure that data within the natural heritage databases are evaluated and interpreted by USFS-R4 staff that have appropriate botanical and/or aquatic and terrestrial wildlife expertise. This is most important for negative search results where only a qualified person would be able to address the potential for occurrence of TES plants and animals in an area based on the habitats that are in the project area and on proximity of known TES plant and animal occurrences.

**THE U.S. FOREST SERVICE CAN:**

- A. Provide a prioritization of ecosystems and plant, terrestrial and aquatic species to be analyzed for climate change vulnerability. The USFS-R4 can provide the prioritization to the cooperator prior to the start of work.
- B. Provide a prioritization of ecosystems and plant, terrestrial, and aquatic species to be analyzed for species accounts, population status and trends, monitoring, inventory, and studies.



- C. Provide from the USFS corporate database systems indicators of biological activities, such as nests and dens, while ensuring that the data are handled in a way that is consistent with legislation such as the Federal Cave Resources Protection Act (16 U.S.C. § 4304) and other masking requirements.

Attachment: B

USFS Agreement No.:  
Cooperator Agreement No.:

22-CS-11046000-026

Mod. No.: 1

**Note: This Financial Plan may be used when:**  
 (1) No program income is expected and  
 (2) The Cooperator is not giving cash to the FS and  
 (3) There is no other Federal funding

**Agreements Financial Plan (Short Form)**

**Financial Plan Matrix:** Note: All columns may not be used. Use depends on source and type of contribution(s).

COST ELEMENTS	FOREST SERVICE CONTRIBUTIONS			COOPERATOR CONTRIBUTIONS		(e) Total
	(a) Noncash	(b) Cash to Cooperator	(c) Noncash	(d) In-Kind	(e) Total	
Direct Costs						
Salaries/Labor	\$4,410.34	\$0.00	\$4,202.00	\$0.00	\$8,612.34	
Travel	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Equipment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Supplies/Materials	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Printing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Other	\$0.00	\$11,665.00	\$0.00	\$0.00	\$11,665.00	
Other					\$0.00	
Subtotal	\$4,410.34	\$11,665.00	\$4,202.00	\$0.00	\$20,277.34	
Coop Indirect Costs		\$0.00	\$0.00		\$0.00	
FS Overhead Costs	\$573.34				\$573.34	
Total	\$4,983.68	\$11,665.00	\$4,202.00	\$0.00	\$20,850.68	
<b>Total Project Value:</b>						

Matching Costs Determination	
Total Forest Service Share = (a+b) ÷ (e) = (f)	(f) 79.85%
Total Cooperator Share (c+d) ÷ (e) = (g)	(g) 20.15%
Total (f+g) = (h)	(h) 100.00%

## WORKSHEET FOR

### FS Non-Cash Contribution Cost Analysis, Column (a)

Use this worksheet to perform the cost analysis that supports the lump sum figures provided in the matrix. NOTE: This worksheet auto populates the relevant and applicable matrix cells.

Cost element sections may be deleted or lines may be hidden, if not applicable. Line items may be added or deleted as needed. The Standard Calculation sections provide a standardized formula for determining a line item's cost, e.g. cost/day x # of days=total, where the total is calculated automatically. The Non-Standard Calculation sections provide a write-in area for line items that require a calculation formula that is other than the standardized formulas, e.g. instead of salaries being calculated by cost/day x # of days, costs may be calculated simply by a contracted value that is not dependent on days worked, such as 1 employee x \$1,200/contract= \$1,200. Be sure to review your calculations when entering in a Non-Standard Calculation, and provide a brief explanation of units used to make calculation, e.g. '1 month contract,' on a line below the figures.

Salaries/Labor				
Standard Calculation				
Job Description		Cost/Day	# of Days	Total
R4 GIS Program Manager		\$636.92	2.00	\$1,273.84
R4 NRM Program Manager		\$491.21	3.00	\$1,473.63
R4 Fish Program Manager		\$554.29	3.00	\$1,662.87
				\$0.00
<b>Total Salaries/Labor</b>				<b>\$4,410.34</b>

<b>Subtotal Direct Costs</b>	<b>\$4,410.34</b>
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Forest Service Overhead Costs			
Current Overhead Rate	Subtotal Direct Costs		Total
13.00%	\$4,410.34		\$573.34
<b>Total FS Overhead Costs</b>			<b>\$573.34</b>

<b>TOTAL COST</b>	<b>\$4,983.68</b>
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## WORKSHEET FOR

### FS Cash to the Cooperator Cost Analysis, Column (b)

Use this worksheet to perform the cost analysis that supports the lump sum figures provided in the matrix.  
 NOTE: This worksheet auto populates the relevant and applicable matrix cells.

Cost element sections may be deleted or lines may be hidden, if not applicable. Line items may be added or deleted as needed. The Standard Calculation sections provide a standardized formula for determining a line item's cost, e.g. cost/day x # of days=total, where the total is calculated automatically. The Non-Standard Calculation sections provide a write-in area for line items that require a calculation formula that is other than the standardized formulas, e.g. instead of salaries being calculated by cost/day x # of days, costs may be calculated simply by a contracted value that is not dependent on days worked, such as 1 employee x \$1,200/contract= \$1,200. Be sure to review your calculations when entering in a Non-Standard Calculation, and provide a brief explanation of units used to make calculation, e.g. '1 month contract,' on a line below the figures.

Salaries/Labor				
Standard Calculation				
Job Description		Cost/Day	# of Days	Total
				\$0.00
<b>Total Salaries/Labor</b>				<b>\$0.00</b>

Other Expenses				
Standard Calculation				
Item		# of Units	Cost/Unit	Total
Temporary contract employees to perform rare species data processing		1.00	\$11,665.00	\$11,665.00
				\$0.00
				\$0.00
<b>Total Other</b>				<b>\$11,665.00</b>

Subtotal Direct Costs	\$11,665.00
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Cooperator Indirect Costs				
Current Overhead Rate		Subtotal Direct Costs		Total
		\$11,665.00		\$0.00
<b>Total Coop. Indirect Costs</b>				<b>\$0.00</b>

**NDNH is not required to charge indirect costs.**

TOTAL COST	\$11,665.00
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## WORKSHEET FOR

### Cooperator Non-Cash Contribution Cost Analysis, Column (c)

Use this worksheet to perform the cost analysis that supports the lump sum figures provided in the matrix.  
 NOTE: This worksheet auto populates the relevant and applicable matrix cells.

Cost element sections may be deleted or lines may be hidden, if not applicable. Line items may be added or deleted as needed. The Standard Calculation sections provide a standardized formula for determining a line item's cost, e.g. cost/day x # of days=total, where the total is calculated automatically. The Non-Standard Calculation sections provide a write-in area for line items that require a calculation formula that is other than the standardized formulae, e.g. instead of salaries being calculated by cost/day x # of days, costs may be calculated simply by a contracted value that is not dependent on days worked, such as 1 employee x \$1,200/contract=\$1,200. Be sure to review your calculations when entering in a Non-Standard Calculation, and provide a brief explanation of units used to make calculation, e.g. '1 month contract,' on a line below the figures.

Salaries/Labor				
Standard Calculation				
Job Description		Cost/Day	# of Days	Total
Biologist III-Data preparation and process		\$382.00	3.00	\$1,146.00
Biologist III-Data processing and entry		\$382.00	8.00	\$3,056.00
				\$0.00
<b>Total Salaries/Labor</b>				<b>\$4,202.00</b>

<b>Subtotal Direct Costs</b>	<b>\$4,202.00</b>
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Cooperator Indirect Costs				
Current Overhead Rate	Subtotal Direct Costs			Total
	\$4,202.00			\$0.00
<b>Total Coop. Indirect Costs</b>				<b>\$0.00</b>

<b>TOTAL COST</b>	<b>\$4,202.00</b>
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