

JONAH INTERAGENCY MITIGATION & RECLAMATION OFFICE

1625 West Pine
PO Box 768
Pinedale, Wyoming 82941
(307) 367-5363

APPLICATION FOR FUNDING

(use additional sheets if necessary)

1. GENERAL PROJECT INFORMATION

Project Name: Late Prehistoric and Protohistoric Archaeological Site Mitigation (public interpretation, regional settlement pattern analysis, rock art condition assessments) in the Upper Green River Basin.

General Location (distance and direction from nearest city/town, attach map at a scale not less than 1/2" = 1 mile): The proposed project location is in the Upper Green River Basin (Figure 1).

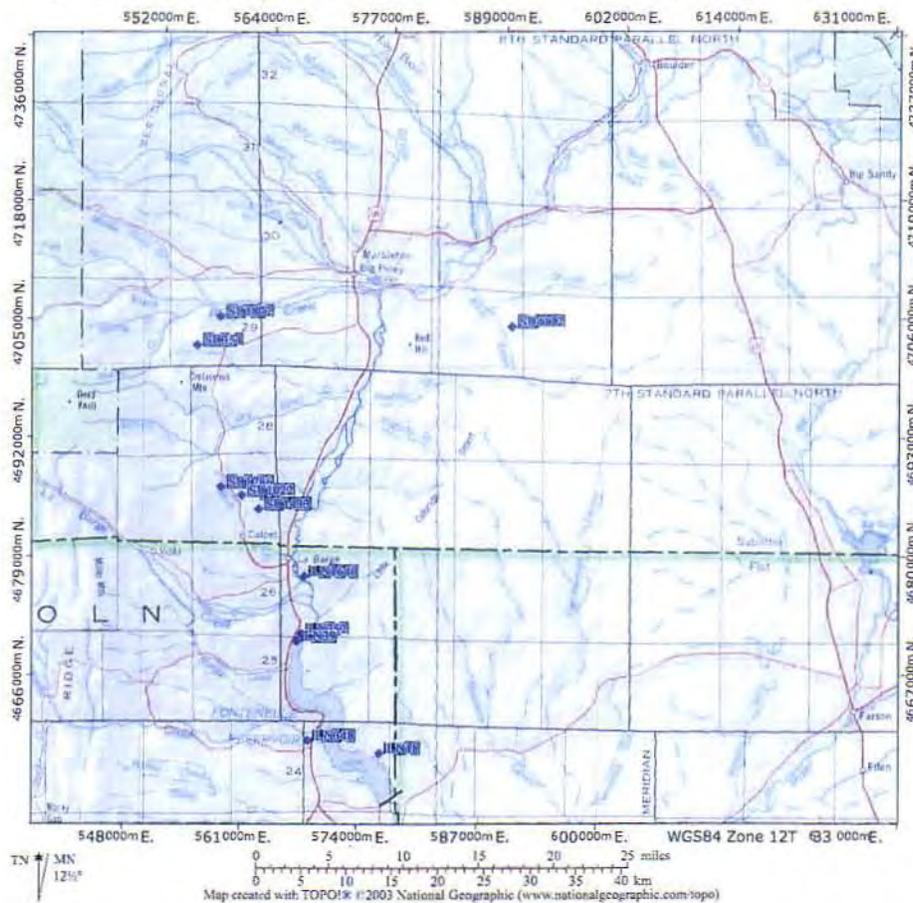


Figure 1. Rock Art Sites in Lincoln and Sublette Counties, Wyoming.

Surface Ownership (check all that apply): Federal X State possible Private possible

**If project includes a mosaic of land ownerships (e.g., mix of federal, state and/or fee lands), provide a breakdown for each specific owner by acres and percent of total project area. Of the seven sites listed, six fall under BLM jurisdiction (the approximate acreage is as follows: 48LN348 (0.04 acres), 48LN352 (0.002 acres), 48LN1640 (at least 0.23 acres, perhaps larger), 48SU1433(0.005 acres), 48SU1786 (0.24 acres), and 48SU4112 (0.002 acres) and the landowner for the seventh, 48LN18, is unknown (the acreage also unknown).

Contact Information for Affected Parties or Agencies: BLM Pinedale Field Office, 1625 West Pine, P.O. Box 768, Pinedale, Wyoming 82941; BLM Rock Springs Field Office, 280 Highway 191 North, Rock Springs, Wyoming 82901; State of Wyoming (if applicable), Office of State Lands and Investments, Herschier Building-3rd West, 122 West 25th Street, Cheyenne, WY 82002.

2. APPLICANT INFORMATION

Name/Organization: ArchæoLOGIC USA, LLC

Mailing Address: P.O. Box 2246

City: Pinedale

State: WY

Zip Code : 82941-2246

Daytime Phone # 307.231.1572

Fax # 307.367.2864

Email Address: adowd@archaeologicusa.com

Point of Contact (if different from above) Anne Dowd, Ph.D., RPA

3. PROJECT DESCRIPTION

General Project Type (check all that apply):

Wildlife X

Land Use/Livestock _____

Land Use/Recreation X

Cultural X

Other _____

Describe Project Proposal (e.g., mechanical treatment, water improvement, etc.)

Research Questions: The relationship of Late Prehistoric and Protohistoric rock art sites to one another and to habitation or special purpose sites of the same time period will be examined to address the question: What factors have contributed to Late Prehistoric and Protohistoric settlement pattern and land use in the region? For example, how does the distribution and frequency of sites from this time period in the Jonah Field compare or contrast with the settlement patterns in the Upper Green River Basin? To what degree do themes in the rock art imagery relate to our understanding of land use for habitation or for subsistence (such as hunting along wildlife migration corridors for example)? Is evidence of conflict and culture change evident in some panels that can be related to changes in the archaeological record during these time periods? Lastly, how can these significant archaeological sites be both protected and contribute to the region's vital tourist economy (for example though public education and development of interpretative displays)?

Methods: The project involves 1) conducting rock art condition assessments at Late Prehistoric and Protohistoric archaeological sites to produce preservation plans for long-term site maintenance and protection,

2) coordinating with agency representatives and interested parties (including representatives of Native American tribes as appropriate), 3) making recommendations for conservation (such as stabilizing rock faces to prevent portions of petroglyph panels from detaching), 4) interpreting the rock art and planning for ways to convey the information to the general public, 5) conducting a settlement pattern analysis that puts site distributions in a regional context; and, 6) writing a report that describes project results. The fieldwork will involve documenting panels systematically using on-site visits and photography, illustration, or conservation testing techniques for rock and pigments.

Expected Results: The proposed work will assess the condition of a sample of Late Prehistoric and Protohistoric rock art sites in the Upper Green River Basin because this site class has a high degree of interpretative and tourist exhibition value. Since the general public is curious about these sites and visits them more frequently than other less visible site types, the project has a land use/recreation component. In addition, the project is intended to address any problems with site vandalism, and make recommendations for preservation and protection. Interpretative activities will show how culture contact between indigenous and colonial peoples was documented in Upper Green River Basin art and relate this evidence to Late Prehistoric and Protohistoric archaeology in the Jonah Field. The rock art panels at these sites document in explicit ways (e.g., incised guns, trains) the new technology brought into the region by Euroamericans. Such examples of culture contact may be used to interpret cultural interactions from about A.D. 1700-1850 and earlier in this region. In addition, it is expected that wildlife migration corridors and Native American hunting practices between 1500-300 B.P. (before present) will be another theme that is better understood at the conclusion of this study.

Total Project Acres (if applicable) Fieldwork will take place at the sites indicated in Table 1 with an asterix. The total site acreage is unknown, but at least an acre of area containing rock art panels.

Acres Indirectly Affected (if applicable, explain) The Late Prehistoric/Protohistoric period sites in the Jonah Field will be related to other archaeological sites, including those with rock art, within the Upper Green River Basin and environs, to explain site presence and absence as well as regional settlement patterning (Figs. 2, 3).

4. OBJECTIVES OF PROJECT, AND BENEFITS TO JIO OFF-SITE MITIGATION STRATEGIC GOALS.

The project objectives include the following:

- 1) Objective: Conduct through examinations of rock art condition and assess conservation measures. Benefit: Contributes to the sites' future preservation.
- 2) Objective: Coordinate with agency archaeologists and other interested parties, such as Native American groups, on the subject of site preservation, interpretation for the general public, and conservation measures. Benefit: Involves the community and publicizes mitigation efforts undertaken through the JIO program.
- 3) Objective: Make recommendations for stabilizing rock art panels that are exfoliating to prevent further destruction of the artwork. Benefit: Protects rock art panels that contribute to the sites' National Register of Historic Places significance.
- 4) Objective: Plan an interpretative program to communicate to the general public the nature and meaning of Late Prehistoric and Protohistoric rock art panels in the Upper Green River Basin. Benefit: Relates findings to the region's land use and recreation activities for tourism and economic development.
- 5) Objective: Conduct settlement pattern analysis to better understand the relationship of rock art to habitation or special purpose sites from the same time periods in the region. Benefit: Learn the reasons behind

site presence or absence in certain areas within the Green River Basin, refine the process of predicting the types of landforms that are best suited for rock art from these time periods; and, use the results of studies in the Jonah field to stimulate discussion and modeling off-site.

6) Objective: Write a report that describes the work undertaken and outlines site preservation plans for future condition monitoring and conservation efforts. Benefit: Creates a description of the project results that can be distributed to interested parties for comment and discussion.

By responding to a mitigation priority in cultural resources management with potential ancillary benefits in land use/recreation planning and in the history of man/wildlife interaction, the JIO meets its off-site mitigation strategic goals. Specifically, this project benefits the cultural/paleontological resource category identified in the Record of Decision (ROD).

5. DIRECT/INDIRECT EFFECTS ON OTHER RESOURCES. (if applicable)

Indirect positive effects to the region's tourist economy may result if visitation increases due to effective interpretation and preservation activities. For example, the region's cultural resources and museum programs could be used in conjunction with marketing for bringing more travelers through the state.

6. POTENTIAL FOR FUTURE EXPANSION OF PROJECT. Explain

The Late Prehistoric and Protohistoric Archaeological Site Mitigation in the Upper Green River Basin project can be expanded by adding interpretative materials designed to make the site and its rock art more easily understood to visitors and other interested parties in ways that seek to create a better understanding of site preservation goals. For example, brochures and signing could aid visitors in understanding the sites' significance in relation to other rock art in the region. Hiking or pedestrian trails could be positioned in areas to increase or better control site visitation. In this way, the sites could contribute to the JIO's goals of contributing to public education and tourism. Furthermore, since site conservation is an on-going process, future work might reassess the preservation needs of this site class. In addition, settlement pattern research can be augmented as time and resources allow.

7. LIST ALL PROJECT PARTNERS/COOPERATORS, THEIR ROLES AND/OR CONTRIBUTIONS

Staff Assignments: Ms. Constance Silver, Senior Conservator, will handle the rock art condition assessments; Dr. Bruce Lutz, Principal Archaeologist, will be in charge of the regional settlement pattern analysis; Dr. Rita Shepard, Principal Archaeologist, will prepare recommendations on site interpretation for the general public; and, Dr. Anne Dowd will coordinate the project as Principal Investigator.

8. PROJECT MONITORING AND REPORTING (Describe how monitoring and reporting will be done, and how it relates to the objectives)

As they do currently, BLM staff archaeologists will undertake site monitoring. A comprehensive report will be prepared and circulated at the conclusion of the work that summarizes the project activities at the sites, makes a set of recommendations for long-term site preservation, and updates any site forms, if necessary. Routine communication will take place to insure that land managers are kept informed of the status of project tasks. For example, coordination will take place at the beginning of fieldwork and at its conclusion to report results and progress. Project recommendations will be coordinated with agency personnel and other interested parties as appropriate. If there are any significant discoveries, any communication with the press will be

routed though the JIO.

9. RESEARCH POTENTIAL

The project has the potential for providing a model for conservation planning for other rock art panels in the JIO and the surrounding Upper Green River Basin. For example, the project will dovetail with the BLM's plans to conduct emergency stabilization at the Calpet Rockshelter (48SU354).

10. PERMITS AND AUTHORIZATIONS REQUIRED PRIOR TO PROJECT IMPLEMENTATION (including but not necessarily limited to the following):

PERMIT OR AUTHORIZATION	REQUIRED		SUBMITTED		APPROVED	
	Yes	No	Yes	No	Yes	No
Cultural Resource Inventory		X				
COE Section 404 Permit		X				
Cooperative Agreement(s)		X				
NEPA Analysis		X				
Pesticide Application Permit		X				
Private Landowner Agreement(s)		possible				
Sensitive Species Clearance		X				
Surface/Ground Water Permits		X				
T/E Species Clearance		X				

Other (explain): A cultural resources mitigation plan will be filed with BLM and SHPO.

11. TOTAL PROJECT COST (Attach detailed budget)

COSTS	JIO Project
Labor	\$15,000.00
Materials	\$3,000.00
Equipment	\$6,000.00
Travel	\$4,000.00
Overhead	\$17,000.00
Profit	\$0.00
Totals	\$45,000.00

Project Planning and Design	\$ <u>5,000.</u>
Project Implementation	\$ <u>40,000.</u>
Project Operation and Maintenance	\$ _____
Total Required	\$ <u>45,000.</u>

12. MATCHING FUNDS ANTICIPATED IN CASH (list source and amount) 0.

13. ANTICIPATED "IN KIND" MATCHING FUNDS (list source, valuation, and valuation method) 0.