

Request for Proposals

Cultural Resource Surveys for Six (6) Project Sites across the Grand Mesa, Uncompahgre and Gunnison National Forests

Background and Statement of Work: The National Forest Foundation (NFF) and the Grand Mesa, Uncompahgre and Gunnison National Forests (GMUG NFs) are partnering to conduct National Historic Preservation Act (NHPA) Section 106 archeological resource inventories and site evaluations for planned vegetation management projects.

This Request for Proposals (RFP) includes one stand-alone Class I report and five Class III archaeological pedestrian surveys (inclusive of Class I reviews) at six locations across the forests (see site map on Appendix A – Scope of Work Page 1).

Project Name	Acres & Survey Class	Known re-evaluations
Trail Creek East	923-acre Class III Cultural Resource Inventory	No known re-evaluation of cultural resources
North Zone Aspen	350-acre Class III Cultural Resource Inventory	8 known re-evaluations of cultural resources
Paonia Winter Wildlife Habitat Improvement Project (PWWHIP)	30,000-acre Class I Literature Review and Recommended Future Class II & III Cultural Resource Inventory	20 Surveys and 25 known cultural resources.
Cow Creek, Post Burn	800-acre Class III Survey and Monitoring	20 evaluations of known and purported cultural resources
25 Mesa, Prescribed Burn	412-acre Class III Cultural Resource Inventories	6 known re-evaluations of cultural resources
Sanborn Fuels	156-acre Class III Cultural Resource Inventories	10 known re-evaluations of cultural resources

Confidentiality: To protect site information from unauthorized disclosure, all site location and content information must be kept in the strictest confidence. The selected contractor must take whatever internal measures are necessary to ensure that confidential material is protected. This is to ensure compliance with several federal laws that protect sensitive information about historic properties and archaeological resources, in particular Section 304 of the NHPA and Section 9 of the Archeological Resources Protection Act.

The selected contractor shall make the information and materials produced in the course of this contract available only to the GMUG NFs point of contact/s listed in the awarded contract. All site-specific records, photographs, and maps generated, including original field maps and notes, will be considered United States Forest Service (USFS) property and will be turned over to the GMUG NFs Point of contact/s upon completion of the project. The selected contractor's point of contact listed in the awarded contract will be responsible for ensuring that all excess site-specific documents, maps, and site forms, (i.e., those not submitted as deliverables, internal review drafts, etc.) are properly disposed of upon completion of the project.

Communication: The selected contractor shall not communicate with State Historic Preservation Office (SHPO), Tribes, Advisory Council on Historic Preservation, or any other consulting party regarding the project, except for procuring Class 1 literature search data and Smithsonian numbers from SHPO. The selected contractor shall have no communication with any consulting party after the NFF and GMUG NFs have accepted the report for review.

Information Requested

If interested in submitting a bid for this project, please provide a proposal for the above statement of work by providing:

- technical approach
- work experience
- cost
- capacity for this project
- experience in similar projects
- At the time of final acceptance must have a current archaeology permit for Region 2 and demonstrated experience in the Region.

Specific requirements are detailed below.

PROJECT OVERVIEW AND REQUIREMENTS

General Specifications

- (a) Description of Work – This RFP is for archaeological inventories and site evaluations on the GMUG NFs. Detailed scopes of work are listed in Appendix A.
- (b) Project Location – the six project locations are across the GMUG NFs. (see map on Appendix A – Scope of Work Page 1)

Project Name	Project Townsite Locations - Sections
Trail Creek East	T 13S, R 82W - 19, 29-32 T 13S, R 83W - 13, 24, 25, 36
North Zone Aspen	T 10S, R 92W - 25 T 10S, R 91W - 29, 30, 31, 32 T 11S, R 91W - 1, 3, 7, 8, 9, 10, 11, 12, 13, 16, 17, 18 T 11S, R 90W - 9, 16, 20, 21, 27, 28, 29 T 12S, R 91W - 5, 8, 17, 20, 21, 28, 29, 31, 32
PWWHIP	<i>Lamborn Mountain:</i> T 14S, R 90W - 8, 9, 16-21, 28, 29 T 14S, R 91W - 13, 14, 23, 24, 26-29, 32-34 <i>Landsend Peak:</i> T 15S, R 90W - 7, 18-21, 27 - 32 T 15S, R 91W - 4, 5, 8-16, 23-26, 35, 36 <i>Buckhorn Gulch:</i> T 49N, R 6W - 1, 2, 8- 2, 15, 16, 17, 20, 21, 28, 29 <i>Cathedral Peak:</i> T 50N, R 6W - 1, 11, 13, 14, 23, and 24 T 50N, R 5W - 18 and 19 T 50N, R 5W2 - 13, 14, 23, 24, 25, 26 <i>McClure Pass:</i> T 1S, R 89W - 2, 3, 4, 9, 16
Cow Creek, Post Burn	T 15S, R 48W - 32, 33, 34 T 16S, R 48W - 1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16, 22, 23, 24 T 16S, R 47W - 7, 18, 19
25 Mesa, Prescribed Burn	T 49N, R 14W - 25, 36 T 49N, R 13W - 31, 32 T 48N, R 14W - 1, 2
Sanborn Fuels	T 46N, R 13W - 13, 24, 36 T 46N, R 12W - 18, 19, 20, 27, 29, 30, 31, 32, 33, 34, 35 T 45N, R 12W - 4, 5, 6, 7

- (c) Work Schedule – Below is a chart of the NFF and GMUG NFs ideal timeline for complete surveys. If bidding on the project and the timeline below does not work, please propose an alternative timeline for completion.

Project Name	Completion Date
Trail Creek East	08/31/2024
North Zone Aspen	12/31/2024
PWWHIP	12/31/2024
Cow Creek, Post Burn	12/31/2024
25 Mesa, Prescribed Burn	10/31/24
Sanborn Fuels	10/31/24

Other Project Requirements and Specifications

- I. Utilities – In many locations there will be no or limited sanitation, water, electrical or housing services available. The Contractor shall make its own arrangements for temporary facilities if needed.
- II. Specifications – Project work shall be accomplished in accordance with the following:
 - Appendix A – Scope of Work
 - The contractor shall furnish all personnel, facilities, equipment, materials, supplies and services and otherwise do all things necessary for, or incident to, the satisfactory performance of this proposal in strict accordance with contract specifications, for cultural resource-intensive field pedestrian inventory (i.e., Class III) and Class I reports located on Forest lands within Region 2 of the USFS, specifically on the GMUG NFs.
 - In addition, all USFS Permit Stipulations listed in the Region 2 Archaeological Permit for conducting archaeological investigations and any required state-specific cultural use permits will be followed.

Insurance Requirements

Upon selection of the winning bid, the Contractor agrees that it has and shall maintain the following insurance coverage indicated below. The effective date of all coverage shall precede the start of any work.

- a. State minimum workers' compensation insurance coverage for its employees, if any.
- b. Broad form general liability, property damage, and automotive liability insurance in the minimum amount of \$1,000,000 for bodily injury, death, or damage to property of any person and \$2,000,000 for bodily injury, death, or damage to property of more than one person. The Contractor shall name NFF an Additional Named Insured and provide NFF with a certificate of insurance evidencing such coverages, prior to the initiation of the

Scope of Services.

- c. If the Scope of Services includes professional services as identified herein, Contractor shall also provide professional errors and omissions liability insurance. Professional services for purposes of this section include, but are not limited to performing architecture, engineering, landscape architecture, land surveying or planning, preparation and signing or stamping of drawings, maps, surveys or construction specifications, or design and development of computer software, programs or websites by the Contractor or by subcontractors on behalf of the Contractor, for which professional liability insurance would typically be required. The minimum coverage limits required are \$1,000,000 for each claim and \$1,000,000 annual aggregate.

Prohibited Telecommunications Services and Equipment

The Contractor is responsible for compliance with the prohibition on certain telecommunications and video surveillance services or equipment identified in 2 CFR 200.216.

Payment/Performance Security

Contractor shall post cash, a letter of credit, bond, or other financial security that is easily convertible into cash in a form acceptable to the NFF, in its sole determination, to assure completion of the work required under any subsequent agreement and payment of all amounts lawfully due to all persons supplying or furnishing to the Contractor or Contractor's subcontractors with labor, laborers, materials, rental machinery, tools or equipment used or to perform the work. Contractor may incorporate required associated costs into mobilization costs or other approved expenses.

- a. Work that is classified as construction in accordance with the Miller Act or Little Miller Act or if required per conditions of the funding source, payment and performance bonding will be required in the full amount of any Agreement. For the purposes of this Request for Proposal, construction is defined as "any contract greater than \$100,000 for the construction, alteration, or repair of any public building or public work where the federal government is the owner", or
- b. If Contractor is not self-performing at least 85% of the total contract value or if the cost of materials is in excess of the larger of \$100,000 or 50% of the contract total, payment and performance bonding will be required in the full amount of the agreement, or
- c. If the value of the agreement is in excess of \$250,000, Contractor will be required to post financial security in a form acceptable to the NFF in the amount of 5% of the total agreement value up to \$250,000 in total financial security.

American Made Products. The work associated with this RFP is subject to Build America, Buy America Act. P.L. 117-58, Secs 70911-70917, and as such, domestic content procurement preference requires all iron and steel, manufactured products and construction materials used within the scope of this Agreement, be produced in the United States.

Federal Exclusion Verification

The selected Contractor will be required to affirm that neither it nor its principals are presently

debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

Federal Flowdown Provisions

Flowdown Requirements: Any Agreement associated with this RFP may be subject to flowdown requirements under associated federal or state funding agreements, which are included and made part of by this reference.

III. REQUIRED COMPONENTS

Technical Proposal

Please provide a detailed technical approach to the work.

Contractor Qualifications

- I. Certifications – The archaeological contractor must hold a current USFS Region 2 non-disturbing archaeological special-use permit.
- II. Past Experience – Please provide a brief explanation of previous work experience with land management agencies.
- III. References – Please provide three professional references that can speak to past performance.

Pricing Schedule

The contractor shall price work according to the schedule below. Prevailing wages are required per conditions of funding sources. All work items will be awarded at the discretion of the NFF, as budgetary obligations allow.

	Task/Item	Units	Unit Cost
(a)	Trail Creek East	1	
(b)	North Zone Aspen	1	
(c)	Paonia Winter Wildlife Habitat Improvement	1	
(d)	Cow Creek	1	
(e)	25 Mesa	1	
(f)	Sanborn Fuels	1	
			Total Bid

Partner Coordination and Payment Approval

As outlined in the Confidentiality Section on pages 1 – 2 of this RFP, the selected contractor shall make the information and materials produced in the course of this contract available only to the GMUG NFs point of contact/s listed in the awarded contract. The contractor/s shall notify the NFFs listed point of contact in the awarded contract of a submittal. Payment will be issued by the NFF at the approval and notification of the GMUG NFs point of contact/s listed in the awarded contract.

Sequencing, approval of work, and payment will generally follow the below. The exact submittal and review dates are listed for each project site in Appendix A – Scope of Work.

Task	Submittal	Review Window & Payment Approval	Percent Payment
Completion of fieldwork	Contractor/s will submit one copy of the fieldwork summary to GMUG NFs point of contact/s. NFF's point of contact will be notified of the submission. See Appendix A for details on the Preliminary Findings Report requirements.	The GMUG NFs point of contact/s will: (1) inspect and provide comments on the draft survey for contractor/s finalization (2) approve/deny payment of deliverable by NFF	30% of task/item total upon completion
Draft Report	The contractor/s will send one copy of the draft survey report, photographs, forms, maps, etc. to the GMUG NFs Point of contact/s. NFF's point of contact will be notified of the submission.	The GMUG NFs point of contact/s will: (1) inspect and provide comments on the draft survey for contractor/s finalization (2) approve/deny payment of deliverable by NFF.	30% of task/item total upon completion
Final Report	After the GMUG NFs review window, the contractor/s will have make changes and submit the final survey reports and all project records. NFF's point of contact will be notified of the submission.	GMUG NFs point of contact/s will accept the final report and NFF will be notified of the submission by agency staff.	No payment will be issued at this time
Completion of Section 106	The GMUG NF will submit the required documentation to SHPO for approval of Sec. 106 concurrence. The selected contractor will have no contact	Upon acceptance of the final report and documentation from SHPO, the GMUG NF will let the contractor and NFF know for final approval and payment will	40% of task/item total upon completion

	with SHPO. The GMUG NFs point of contact/s will be responsible for submission to Compass records (CHS-OAHP).	be authorized.	
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IV. SUBMISSION, EVALUATION, AND CONTACTS

Contractor Selection Process

This is a request for proposals only and bids furnished are not offers from the National Forest Foundation. This request does not commit the National Forest Foundation to pay any costs incurred in the preparation or submission of the proposal or to contract for supplies or services.

The NFF will use the Evaluation Factors below to review each submitted bid. Based on the outcomes of that selection process, the NFF will notify successful and unsuccessful bidders by May 3, 2024 and will prepare a separate contract document.

Evaluation Factors and Relative Importance

The following criteria will be used in the evaluation of submitted proposals, ordered from highest weighting (level 3) to lowest weighting (level 1).

Level 3 Criteria

- Price / cost
- Equipment and contractor capability/personnel qualifications
- Timing of when contractor can begin and/or finish the project
- Past performance, references, demonstrated experience in working in the Region 2 and ability to hold a Region Permit

Level 2 Criteria

- Technical proposal / proposed approach to project
- Overall strategic benefits to meeting NFF goals and grant needs, requirements, and timelines

Level 1 Criteria

- Benefits to the local community
- Relationship to local community

Point of contact

Please submit any questions about the project in writing to the Point of contact.

Maddie Herro
National Forest Foundation, Rocky Mountain Region Program Manager
mherro@nationalforests.org

Bid Submission

Submit bids via email to mherro@nationalforests.org by April 12, 2024.

Equal Opportunity Provider

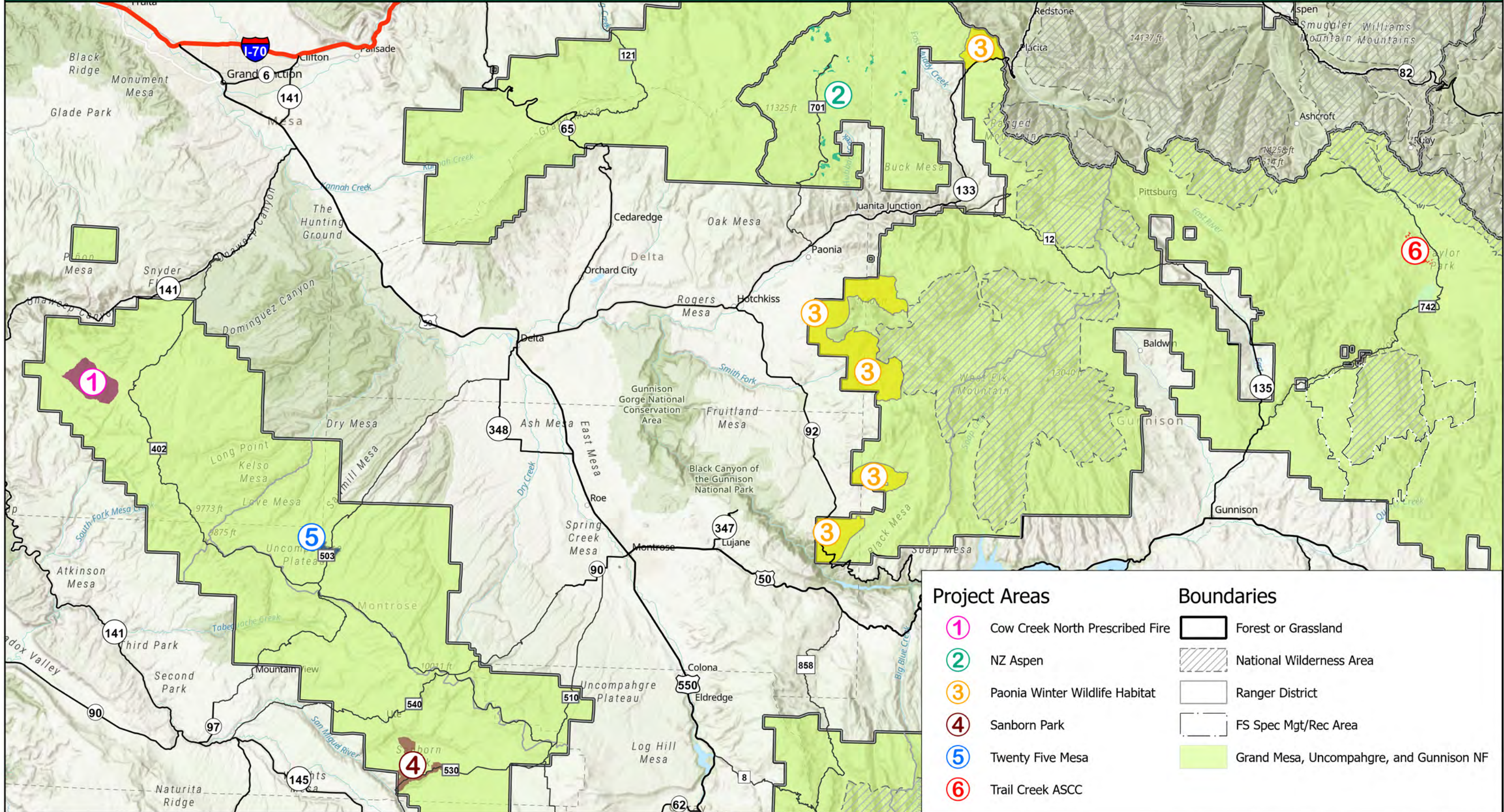
In accordance with Federal law and U.S. Department of Agriculture policy, the National Forest Foundation is prohibited from discriminating on the basis of race, color, national origin, sex, age, religion, political beliefs, or disability.

Appendix A – Scope of Work



Survey Areas FY2024

Rocky Mountain Region | Grand Mesa, Uncompahgre, and Gunnison National Forests



N
0 10 20 Miles

1/12/2024

USDA is an equal opportunity provider, employer and lender

Data Sources: Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USFWS, Esri, NASA, NGA, USGS

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Legend

Project Boundary = 4,224 acres

Treatment Units Left To Survey

Treatment Type - RX

- Hand - Precommercial Thinning and Sanitation = 577 acres
- Hand - Chainsaw Felling of DM in Wet Areas = 28 acres
- Mechanical - Clearcut of Sawtimber = 285 acres
- Mechanical - Clearcut of Products Other Than Logs (POL) = 33 acres

Existing NFSRs

- 1 - BASIC CUSTODIAL CARE (CLOSED)
- 2 - HIGH CLEARANCE VEHICLES
- 3 - SUITABLE FOR PASSENGER CARS
- 4 - MODERATE DEGREE OF USER COMFORT
- 5 - HIGH DEGREE OF USER COMFORT

Gunnison

**2024 Gunnison Trail Creek East Adaptive Silviculture
for Climate Change Survey Project
CULTURAL RESOURCES CONTRACT SPECIFICATIONS**

DIVISION 100 - GENERAL SPECIFICATIONS

110 - Scope of Contract

The Gunnison Ranger District is planning a variety of treatments in the Taylor Park Vegetation Management Environmental Assessment (EA) Areas listed below including both mechanical and hand-felling tree removal treatments such as clearcuts, commercial and precommercial thinning, dwarf mistletoe sanitation, and pile burning. A cultural survey of the area is required before this work can begin.

Standards for the survey are specified in Division 200

Cultural survey(s) of the proposed project areas are required before this work can begin. The contractor shall design and perform a Class III pedestrian archaeological inventory the of proposed project areas and reevaluate previously recorded sites. These sites are both prehistoric and historic sites.

Areas to be surveyed will be informed by the Grand Mesa, Uncompahgre and Gunnison National Forest's (GMGUG NF) probability model that rates areas from very high to low probability based on several aspects (e.g., slope, distance to water). In addition, Compass records (CHS-OAHP) online database system, as well as Land Records (e.g., GLO, MTP) for historical records will also be reviewed and incorporated into survey design and cultural resource reports. General maps of project locations are attached. Detailed (topo) maps, site location maps, and site/IF forms for previously recorded resources are available for inspection by appointment at 216 N. Colorado Gunnison, CO 81230. These will also be reviewed by the selected contractor at the pre-work meeting and/or as part of their Class I literature review.

The selected contractor shall provide the qualified personnel, transportation, supplies, equipment and facilities to complete the following:

- Conduct intensive and broad level (Class III) pedestrian field inventory of the specified areas of potential effect. Surveys will be in the following bid options:

Bid Option: **Trail Creek East Adaptive Silviculture for Climate Change (ASCC):**
approximately 923 acres, no known re-evaluations.

- For all items (i.e., potential Bid Options) the selected Contractor will be required to produce a Class I Literature Review and Field Work Authorization (FWA) detailing the known resources and previous work in the area along with the proposed

areas/methods for survey prior to commencement of fieldwork.

- Produce a Preliminary Findings Report with GIS information after completion of the fieldwork for each specific Bid Option.
- Request CHS-OAHP report and site numbers directly from SHPO, request FS Numbers from the USFS Heritage Specialist.
- Produce a draft Cultural Resource Inventory Report for the inventory that meets CHS-OAHP and Forest Service guidelines by July 31, 2024.
- Produce draft Colorado CHS-OAHP site and isolated forms per CHS-OAHP and Forest Service guidelines including management recommendations concerning the proposed action near or within the sites.
- Produce a Final Cultural Resource Inventory Report wherein all forms, written and maps products, and GIS data meet CHS-OAHP and Forest Service requirements for submittal.
- As a condition of final approval and invoicing attain official concurrence on the Area of Potential Effect (APE), Determination of Eligibility (DOE), Finding of Effect (FOE), and management recommendations.

120 - Work submittal

The contract period is based on weather conditions, access, and ground visibility (remaining snow load) within the project area. The area must be 90% snow-free and reasonably dry before the commencement of fieldwork. Refer to Sections 220 and 221 for additional information on reporting requirements.

130 - Description and location

Project Description: The Trail Creek East ASCC Project is located in the Taylor Park area on the Gunnison Ranger District (GRD) of the GMUG NFs. The results will help the GRD plan for future vegetation management for mechanical treatments. (See Attached Map) The legal description is:

Table1: Legal Locations – Trail Creek East Project Area					
Township			Township		
Range	Sections		Range	Sections	
T13S	R82W	19, 29-32			
T13S	R83W	13, 24, 25, 36			
USGS 7.5' Quad Sheets - Colorado			USGS 7.5' Quad Sheets - Colorado		
Pieplant					
Taylor Park					

The topography of the project area is diverse and divided by numerous drainages, steep rocky cliffs, relatively flat benches, open meadows, and mountain passes. The elevation of the project locations ranges from approximately 9,400 to 11,700 feet, varying from sagebrush and grasses to spruce/conifer forests.

The designated GMUG NFs point of contact/s reserves the right to modify areas to be surveyed by the Contractor. If such survey changes are necessary, adjustments will be mutually agreed to by the GMUG NFs point of contact/s and contractor(s).

140 – Furnished property

The NFF will coordinate with the selected contractor and the GMUG NFs point of contact/s to provide relevant project information for the corresponding survey work, including but not limited to GIS shapefiles of the general project areas, scheduling a pre-work conference after the contract is awarded, and site walk-throughs as requested.

150 – Property furnished by the Contractor

The contractor will furnish all other supplies and equipment needed to accomplish the fieldwork and site form documentation according to the specifications of this contract. This includes GPS equipment, computer programs, compasses, and cameras. In addition to the previous items, Contractor will also be required to provide 12" sections of rebar post, metal tags, and flagging to mark identified site datum points.

160 – Contractor Qualifications

The Principal Investigator for the project(s) must hold a valid R2 Forest Service Cultural Resource Use Permit for the GMUG National Forests and meet Secretary of Interior Standards (SOI).

The **Crew Chief** of each survey crew must have the following minimum qualifications:

- A graduate degree in anthropology, specializing in archaeology, or equivalent archaeological experience.
- Must be listed as a crew chief on the Principal Investigator's valid FS Cultural Resource Special Use Permit.
- At least 16 months of professional experience and/or specialized training in archaeological field work, artifact analysis, and administration.
- At least 6 months experience in archaeological survey or excavation within the southwestern region of Colorado.

- Demonstrated competence in collecting, handling, analyzing, evaluating, and reporting archaeological data.
- Demonstrated ability to plan, equip, staff, organize, and supervise a cultural resources survey.
- The demonstrated ability to accurately plot archaeological site locations on topographic maps and to map sites using GPS.
- Demonstrated competence in identifying and describing artifacts including identification of prehistoric ceramics found within southwestern Colorado, using published type descriptions.

Each **crew member** must have the following minimum qualifications:

- At least 18 semester hours of credit in archaeology, anthropology, and/or history courses. Courses must include information on the conduct and theory of archaeological survey and excavation.
- At least 3 months field experience in archaeological survey. Crew members must work under the direct field supervision of a certified crew leader or project supervisor.

All individuals proposed to work as principal investigators, project directors, or in other supervisory capacities must notify the NFF and the GMUG NFs point of contact/s and discuss any special conditions which may apply to this project before beginning field work.

Any issues or concerns encountered during field work or in production of report, site forms, and GIS data that would result in a delay or unusual circumstances must be brought to the attention of the NFF the GMUG NFs point of contact/s prior to the completion of the project.

DIVISION 200 - TECHNICAL SPECIFICATIONS

210 - Survey techniques

The contractor shall commence work by coordinating with the GMUG NFs point of contact/s to schedule an appointment to conduct a record search at the Gunnison Ranger District Office. Base fieldwork must be completed by July 31, 2024, and specific Bid Option deadlines will be negotiated depending on the scope and scale of accepted bid items for that respective calendar year.

The following fieldwork restrictions for snow cover apply: all survey areas must be 90% snow-free and reasonably dry. Provisions for extension on fieldwork dates can be made for unusual or prolonged weather delays only.

The project areas can be accessed by vehicle and then by foot. Field personnel will be required to keep all motorized vehicles on existing roads. Limits of the survey areas are not marked in the field. Overall, survey areas will require accurate location, orientation, and assessment of field conditions prior to inventory.

As a minimum, the Contractor shall perform the following:

1. Prior to conducting fieldwork, the contractor will conduct a Class I Literature Review of all previous survey and site documentation within the proposed project area in the Gunnison District Office Heritage files, Government Land Office plats, Colorado Office of Archaeology and Historic Preservation and all other pertinent files or records available.
2. Prepare a Field Work Authorization (FWA) that details the proposed area for the survey, methodology, transect spacing, conditions that must be met for the survey, and the level of survey required.
3. Conduct Class II & III pedestrian surveys of the project area. The maximum transect width per surveyor will not exceed 15 m. (49 ft.) when conducting Class III surveys. Spacing may be increased as needed by slope, vegetation, and ground cover on some steeper units. The areas proposed for Class II surveys must be coordinated before the commencement of fieldwork. Map and compass or GPS shall be used to ensure systematic, even coverage of the survey areas. A GPS shapefile of the transect tracks will be submitted to the GMUG NFs point of contact/s with the Preliminary Findings Report
4. Each crew must be directly supervised by a crew leader who meets the Section 160 requirements for crew leader.

Sites: For this contract, a cultural resources site is defined as a locus of prehistoric or pre-1975 historic human activity at a level of intensity normally involving evidence of purposeful behavior beyond the level of one or a few (less than 25) accidentally deposited artifacts. Minimal site identification criteria include at least one of the following:

- (a) One or more features,
- (b) one formal tool if associated with other cultural materials or more than one formal tool,

- (c) an occurrence of three or more types of artifacts or materials,
- (d) two types of artifacts or materials in a density of at least ten items per 100 square meters,
- (e) a single type of artifact or material in a density of at least 25 artifacts in a definable area,
- (f) culturally modified or scarred trees (typically Ponderosa pine) are considered to be eligible sites on the GMUG National Forest.

Isolated Finds: Occurrences of artifacts at less than the above shall be classified "Isolated Finds" (IF), including "Scatters" (less than 25 artifacts) or "Isolated Artifacts" (an occurrence of a single item). Isolated occurrence descriptions will include at least one photograph and be evaluated on a Colorado OAHF Isolated Find Form. The isolate will receive a Smithsonian trinomial number. However, a "pot bust" is considered to be a scatter, even if it contains more than 25 sherds. A "Feature" is a construction that due to its recent nature or lack of association is not designated as a "site". Examples would be an isolated trash dump, abandoned road, non-historic fence line, or a recent campfire ring. Such features may or may not be recommended for protection from project activities.

Exclusions: Certain constructions (modern fence lines, recreational and hunter camps, and modern campfire rings, logging roads, skid trails, modern isolated trash dumps, and modern abandoned roads) may be excluded as sites due to their recent nature, lack of association, and minimal scientific importance.

Additional Documentation Provisions

Each site and isolated occurrence discovered shall be plotted with a GPS unit and transferred to 1:24,000 scale U.S.G.S. topographic maps, and identified with its Smithsonian number and with a Forest Service site number. Original copies of the maps with isolated finds and sites will be provided by the contractor to enable the GMUG NFs point of contact/s to inspect the results of the survey. A flash drive containing the shapefiles for the GPS locations, using the Forest Service attribute fields, will also be provided by the contractor. All file names will be compatible with the Colorado MoveIt system of file transfers.

All locational information will be provided as GIS shapefiles and on a hard copy of the USGS topo map to the Forest Service with the draft site forms.

GPS locations are required at site datum points. The site boundaries of sites are greater than 0.1 acre in size will also be recorded with a GPS unit.

All GPS data gathered will meet the following accuracy standards:

- GPS Standard: NAD83, reported in UTM coordinates
- Locational point/polygon accuracy of 3 meters or less
- Submission of GPS data in two formats: hard copy on 1:24000 USGS topo maps and shapefiles (or feature classes) in a projected coordinate system compatible with ArcPro on flash drive
- Attribute data will include Smithsonian numbers and meet OAHP standards

Sites will be marked in the field with a 12" section of rebar post with their Smithsonian site number on an aluminum tag flush with the modern ground surface at the datum point. Due to the timing of project implementation site flagging may be required. In cases where site flagging is required, sites determined to be eligible (or potentially eligible) for the NRHP will be flagged for avoidance during recordation using a color specified by the USFS Heritage Specialist. Flagging should be placed on the exterior of the site boundary (to allow equipment operators to see and anticipate the site) and at sufficient intervals to allow visibility from one flag to another. If a protective buffer around the site (instead of the site boundary) is to be flagged, the GMUG NFs point of contact/swill specify this. At least two photographs (film or digital) taken from different bearings, for each site. Photographs should show identifying site characteristics and important landmarks for relocating the site. Photographs will be included with the OAHP site forms and will include provenience information. Photographs may be embedded in the report but a flash drive with all digital photography labeled by site will be provided to the USFS Heritage Specialist.

1. Each newly discovered site shall be recorded on the appropriate standard Colorado Office of Archaeology and Historic Preservation (OAHP) forms. Information contained on the site form is to be consistent with the instructions as listed on the (OAHP) website. Location and access information will also be detailed in writing for each site on the site form.
2. Sites and Isolated finds shall be plotted, described, and designated by a Smithsonian site number.
3. Previously recorded unevaluated sites within the survey areas will be relocated and re-evaluated on official Office of Archaeology and Historic Preservation Re-evaluation Forms with maps and photographs. ***If the existing site forms for these sites are older than 10 years, the sites must be re-recorded on current site forms that include all applicable forms.***
4. ***Need data and unevaluated sites, both previously recorded and newly discovered, within the project areas will have limited testing (shovel or trowel) to determine site eligibility.*** All sites will be evaluated as being eligible or not eligible. No sites will be evaluated as needing data or unevaluated. Testing will consist of a minimum of auger testing and one 1m x 1m. excavation square. If the site size exceeds 1-acre additional excavation squares may be necessary.

5. Historic trails will be documented as such on official Office of Archaeology and Historic Preservation Site Forms. Associated features such as sheepherder arbolgyphs along a stock driveway will be recorded as sub-features of the historic trail if appropriate.
6. Draft maps and shapefiles of the site locations will be provided to the appropriate GMUG NFs point of contact/s after the completion of field work.
7. The contractor shall cease work upon discovering any human remains and associated funerary objects and shall immediately notify the authorized officer and USFS Heritage Specialist. Work in the vicinity of the discovery may not resume until the authorized officer has given permission.

211 - Artifact Collection and Analysis

As a minimum, the Contractor shall perform the following:

1. The Contractor shall not collect any artifacts, except for Paleoindian projectile points and prehistoric pottery, these are exceptional artifacts that are at risk and cannot be reasonably protected in the field. These exceptional artifacts may include exposed fragile perishable materials at risk of being destroyed or extremely significant diagnostics artifacts that are in immediate danger of being looted. All other analyses shall be done in the field.
2. Ceramic Analyses: In-field analysis of ceramic materials will be done using standard regional published typologies to assign cultural affiliation and occupation dates, unless such artifacts are at risk as described in number 1 above.
3. All collected items will be turned over to the GMUG National Forest and will be labeled and packaged according to the curation standards for the Museum of Western Colorado.
4. Lithic Analysis: The Contractor should expect to encounter artifacts manufactured from sandstone, quartzite, rhyolite, basalt, obsidian, chert, petrified wood, calcedony, and other siliceous and igneous materials. The Contractor shall explain the typology used in classifying the lithic artifacts in the final report. Lithic materials may consist of both ground and chipped stone varieties, and should, at a minimum, be assigned to functional and material categories. For example, manos should be identified by material and whether they are "one-hand" or "two-hand" in size and whether they are unifacially or bifacially worked.

220 - Survey report

At a minimum, survey reports shall follow OAHP guidelines. The report shall include a Forest Service project number, a OAHP number, a project map with site locations plotted, a map with known previously documented sites and surveys, a separate project map with the locations of isolated finds plotted, both on 1:24,000 scale USGS topographic quadrangles.

All typing and illustrations used in the report must be of suitable quality to provide a clear, legible copy when used on a duplicating (xerox) machine --- even when black and white copies are produced.

The Smithsonian site number will be the primary site reference number used in the report. The report will include a table of the cultural sites (both previously recorded and newly discovered). The table will also include Smithsonian number, site type, cultural affiliation, dates, eligibility recommendation, and management recommendations.

221- Transmittal of report

After completion of the fieldwork one copy of the fieldwork summary will be submitted to the USFS Heritage Specialist. The Preliminary Findings Report/Fieldwork report will include:

- CHS-OAHP and FS report numbers;
- the number of sites documented;
- the field assessment of their conditions and eligibility; and
- draft maps and shapefiles of the site locations and transects

One copy of the draft survey report, photographs, forms, maps, etc. shall be submitted to the GMUG NFs point of contact/s by July 31st, 2024. Upon submission of draft survey documents the GMUG NFs point of contact/s will have 20 days to inspect and provide comments on the draft survey documents to the contractor for finalization. The contractor will then have 14 days to make changes and submit the final survey reports and all project records. One hard copy of the final survey report will be submitted, along with all associated maps, photos, site forms, and other documents, and one digital copy of the report, forms, and shapefiles will be provided on a flash drive.

222- Future use of survey data

All field notes, maps, electronic data, photographs or digital images, negatives, and artifacts collected or generated from this procurement shall be the property of the United States and will be submitted to the USFS COR with the final inventory report at the conclusion of the project.

During the course of the project, reasonable precautions will be taken to avoid the disclosure of site locations to all unauthorized personnel.

Division 300 - Inspection and Acceptance

Field research, artifact analysis (in field only), and report are to meet professional archaeological standards set forth in the Colorado Office of Archaeology and Historic Preservation Guidelines as determined through review by the USFS Heritage Specialist.

Reports must contain the information mentioned above and must be written in a style that is clear, concise, and most importantly, well organized, and easy to use. Poor writing, organization, production, insufficient information, and so forth are grounds for rejection of the report. Legal descriptions in the report must agree with those shown on maps and figures.

All inventory locations, sites, scatters, isolated artifacts and features mentioned in the report must be shown on the report and/or site maps and vice versa. All diagnostic artifacts, artifact concentrations, and features must appear on the sketch maps and be discussed with the text of the forms.

Appropriate knowledge of the prehistory and history of the Forest must be demonstrated by use of correct terminology, dating, citation of classic standards as well as the most recent publications pertinent to the cultural resources of the Forest.

Additional standards and requirements may be established at the time the contract is awarded and will be discussed by the NFF and GMUG NF point of contact/s, and the contractor at the time the contract is issued.

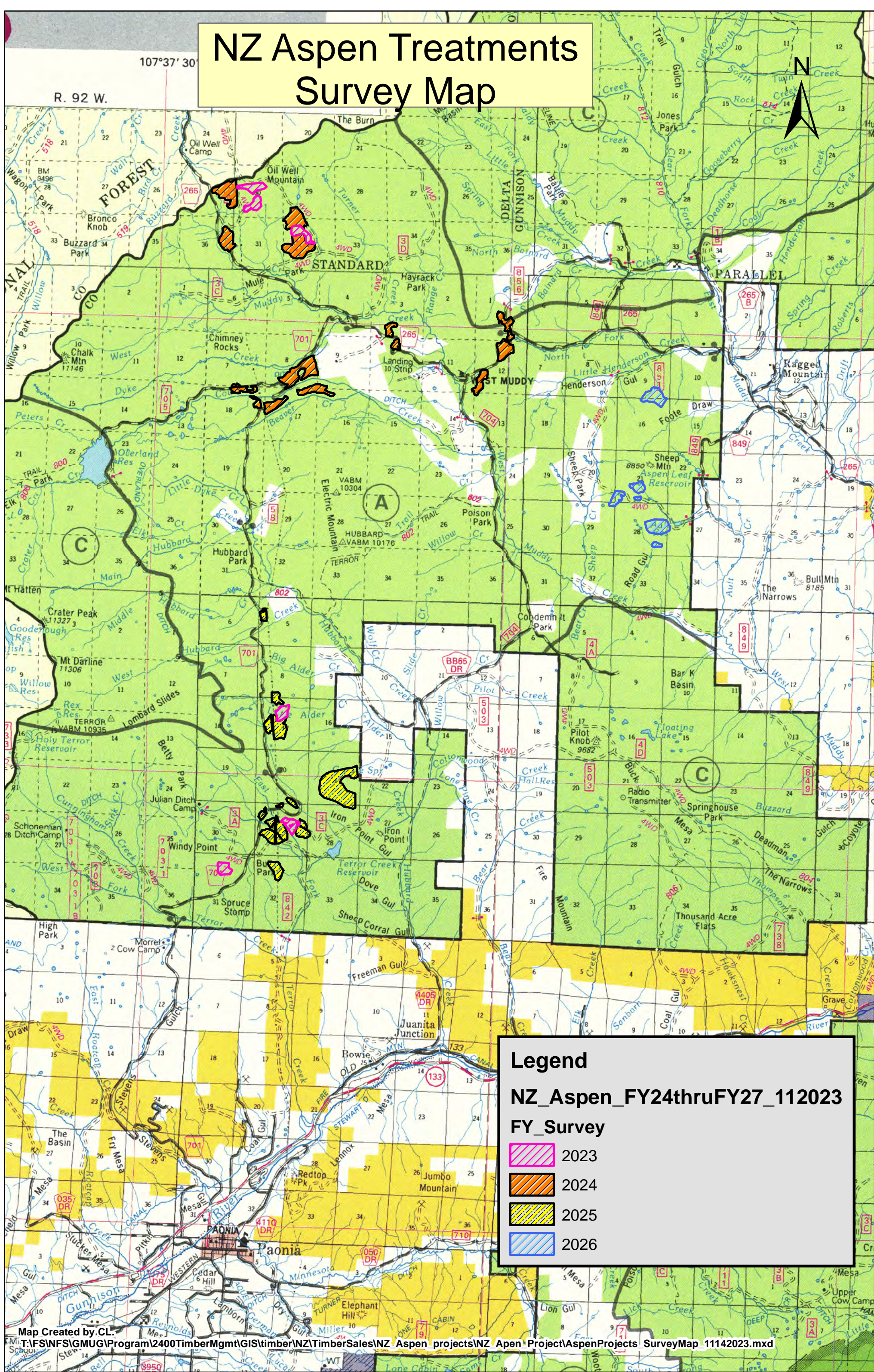
Division 400 - Payment

Thirty percent of the contract will be paid upon completion of the field work.

Thirty percent will be paid once the draft report and site forms are submitted for review.

The final forty percent will be paid upon successful completion of Section 106 concurrence with CO SHPO (The GMUG NFs point of contact/sis responsible for submission to CHS-OAHP).

NZ Aspen Treatments Survey Map



Map Created by CL

T:\FS\NFS\GMUG\Program\2400TimberMgmt\GIS\Timber\NZ\TimberSales\NZ_Aspen_projects\NZ_Apen_Project\AspenProjects_SurveyMap_11142023.mxd

2024 North Zone Aspen
CULTURAL RESOURCES CONTRACT SPECIFICATIONS

DIVISION 100 - GENERAL SPECIFICATIONS

110 - Scope of Contract

The Grand Mesa, Uncompahgre and Gunnison National Forests (GMUG NFs) intend to implement wildlife habitat and/or fuel reduction and aspen treatment projects on the Paonia Ranger District.

The project area(s) are located in Delta, Gunnison, and Montrose Counties, Colorado.

Standards for the survey are specified in Division 200.

Cultural survey(s) of the proposed project areas are required before this work can begin. The contractor shall design and perform a Class III pedestrian archaeological inventory of proposed project areas and reevaluate previously recorded sites. These sites are both prehistoric and historic.

Areas to be surveyed will be informed by the GMUG NFs probability model that rates areas from very high to low probability based on several aspects (e.g., slope, distance to water). In addition, the Compass records (CHS-OAHP) online database system, as well as Land Records (e.g., GLO, MTP) for historical records will also be reviewed and incorporated into survey design and cultural resource reports. General maps of project locations are attached. Detailed (topo) maps, site location maps, and site/IF forms for previously recorded resources are available for inspection by appointment at 1010 Kimball Ave, Grand Junction, CO, 81501. These will also be reviewed by the selected contractor at the pre-work meeting and/or as part of their Class I literature review.

The selected contractor shall provide the qualified personnel, transportation, supplies, equipment, and facilities to conduct intensive and broad-level (Class III) pedestrian field inventory of the specified areas of potential effect. Surveys will be in the following bid options:

Bid Option: **North Zone Aspen:** 350-acre Class III Cultural Resource Inventory,
8 known re-evaluations of cultural resources

- For all items (i.e., potential Bid Options) the selected Contractor will be required to produce a Class I Literature Review and Field Work Authorization (FWA) detailing the known resources and previous work in the area along with the proposed areas/methods for survey prior to commencement of fieldwork.
- Produce a Preliminary Findings Report with GIS information within 30-days of completion of the fieldwork for each specific Bid Option.
- Request CHS-OAHP report and site numbers directly from SHPO, request FS Numbers from the USFS Heritage Specialist.

- Produce a draft Cultural Resource Inventory Report for the inventory that meets CHS-OAHP and Forest Service guidelines within 90-days of completion of fieldwork.
- Produce draft Colorado CHS-OAHP site and isolated forms per CHS-OAHP and Forest Service guidelines including management recommendations concerning the proposed action near or within the sites.
- Produce a Final Cultural Resource Inventory Report wherein all forms, written and maps products, and GIS data meet CHS-OAHP and Forest Service requirements for submittal.
- As a condition of final approval and invoicing attain official concurrence on the Area of Potential Effect (APE), Determination of Eligibility (DOE), Finding of Effect (FOE) and management recommendations.

120 - Work submittal

The contract period is based on weather conditions, access, and ground visibility (i.e., remaining snow load) within the project area. The area must be 90% snow-free and reasonably dry before the commencement of fieldwork. Refer to Sections 220 and 221 for additional information on reporting requirements.

130 - Description and location

Project Description: The North Zone Aspen Survey Project is an inventory of areas within an aspen treatment area on public lands managed by the Paonia Ranger District (PARD) of the GMUG NFs. The results will help the PARD plan for future vegetation management for mechanical treatments. The project area is within Delta and Gunnison Counties, north of the town of Paonia. (see attached map).

The legal description is:

Table1: Legal Locations – Cow Creek Rx Project Area					
Township	Range	Sections	Township	Range	Sections
T10S	R92W	25	T11S	R90W	9, 16, 20, 21, 27-29
T10S	R91W	29-32	T12S	R91W	5, 8, 17, 20, 21, 28, 29, 31, 32
T11S	R91W	1,3, 7-13, 16-18			
USGS 7.5' Quad Sheets – Colorado			USGS 7.5' Quad Sheets – Colorado		
Spruce Mountain			Bull Mountain		
Elk Knob			Bowie		
Electric Mountain					

The project intends to remove decadent aspen from these units to trigger root suckering and regeneration of young aspen in this area, to provide short- and medium-term forage and hiding cover for big game, forage and cover opportunities for ground nesting birds such as wild turkey, and cover for small mammals. In the long term, these units should regenerate and maintain a healthy mature aspen stand.

Stands may be treated by mechanical means including but not limited to mastication, chaining, roller chopping, harvest and removal for any purpose, harvest and chipping, harvest and piling and burning, or any other method which removes standing live aspen trees, reduces ground cover, and allows for regeneration of aspen.

The designated GMUG NFs point of contact/s reserves the right to modify areas to be surveyed by the Contractor. If such survey changes are necessary, adjustments will be mutually agreed to by the GMUG NFs point of contact/s and contractor(s).

140 – Furnished property

The NFF will coordinate with the selected contractor and the GMUG NFs point of contact/s to provide relevant project information for the corresponding survey work, including but not limited to GIS shapefiles of the general project areas, scheduling a pre-work conference after the contract is awarded, and site walk-throughs as requested.

150 – Property furnished by the Contractor

The contractor will furnish all other supplies and equipment needed to accomplish the fieldwork and site form documentation according to the specifications of this contract. This includes GPS equipment, computer programs, compasses, and cameras. In addition to the previous items, the contractor will also be required to provide 12" sections of rebar post, metal tags, and flagging to mark identified site datum points.

160 – Contractor Qualifications

The **Principal Investigator** for the project(s) must hold a valid R2 Forest Service Cultural Resource Use Permit for the GMUG National Forests and meet the Secretary of Interior Standards (SOI).

The **Crew Chief** of each survey crew must have the following minimum qualifications:

- A graduate degree in anthropology, specializing in archaeology, or equivalent archaeological experience.
- Must be listed as a crew chief on the Principal Investigator's valid FS Cultural Resource Special Use Permit.
- At least 16 months of professional experience and/or specialized training in

archaeological field work, artifact analysis, and administration.

- At least 6 months experience in archaeological survey or excavation within the southwestern region of Colorado.
- Demonstrated competence in collecting, handling, analyzing, evaluating, and reporting archaeological data.
- Demonstrated ability to plan, equip, staff, organize, and supervise a cultural resources survey.
- The demonstrated ability to accurately plot archaeological site locations on topographic maps and to map sites using GPS.
- Demonstrated competence in identifying and describing artifacts including identification of prehistoric ceramics found within southwestern Colorado, using published type descriptions.

Each **crew member** must have the following minimum qualifications:

- At least 18 semester hours of credit in archaeology, anthropology, and/or history courses. Courses must include information on the conduct and theory of archaeological survey and excavation.
- At least 3 months of field experience in archaeological survey. Crew members must work under the direct field supervision of a certified crew leader or project supervisor.

All individuals proposed to work as principal investigators, project directors, or in other supervisory capacities must notify the NFF and the GMUG NFs point of contact/s and discuss any special conditions that may apply to this project before beginning fieldwork. Any issues or concerns encountered during fieldwork or in the production of the report, site forms, and GIS data that would result in a delay or unusual circumstances must be brought to the attention of the NFF and the GMUG NFs point of contact/s before the completion of the project.

DIVISION 200 - TECHNICAL SPECIFICATIONS

210 - Survey techniques

The contractor shall commence work by coordinating with the GMUG NFs point of contact/s to schedule an appointment to conduct a record search at the Grand Valley Ranger District. Fieldwork must be completed by November 30, 2024, and specific Bid Option deadlines will be negotiated depending on the scope and scale of accepted bid

items for that respective calendar year. The following fieldwork restrictions for snow cover apply: all survey areas must be 90% snow-free and reasonably dry. Provisions for extension on fieldwork dates can be made for unusual or prolonged weather or field conditions.

The project areas can be accessed by vehicle and then by foot. Field personnel will be required to keep all motorized vehicles on existing roads. Limits of the survey areas are not marked in the field. Overall, survey areas will require accurate location, orientation, and assessment of field conditions before inventory.

As a minimum, the Contractor shall perform the following:

1. Before conducting fieldwork, the contractor will conduct and prepare a Class I Literature Review of the previous survey and site documentation within the proposed project area at the GVRD Heritage files, CHS-OAHP, Government Land Office plats, and all other pertinent files or records available.
2. Prepare a Field Work Authorization (FWA) that details the proposed area for survey, methodology, transect spacing, conditions that must be met for the survey, and the level of survey required.
3. Conduct Class II & III pedestrian surveys of the project area. The maximum transect width between each surveyor will not exceed 25 m. (80 ft.) when conducting Class III surveys. Spacing may be increased as needed by slope, vegetation, and ground cover on some steeper units for Class II surveys. The areas proposed for Class II surveys must be coordinated before the commencement of fieldwork. Map and compass or GPS shall be used to ensure systematic, even coverage of the survey areas. A GPS shapefile of the transect tracks will be submitted to the GMUG NFs point of contact/s with the Preliminary Findings Report.
4. Each crew must be directly supervised by a crew leader who meets SOI requirements for crew leader.

Sites: For this contract, a cultural resources site is defined as a locus of prehistoric or pre-1975 historic human activity at a level of intensity normally involving evidence of purposeful behavior beyond the level of one or a few (less than 25) accidentally deposited artifacts. Minimal site identification criteria include at least one of the following:

- (a) One or more features,
- (b) one formal tool if associated with other cultural materials or more than one formal tool,
- (c) an occurrence of three or more types of artifacts or materials,
- (d) two types of artifacts or materials in a density of at least ten items per 100 sq meters,

(e) a single type of artifact or material in a density of at least 25 artifacts in a definable area,

(f) culturally modified or scarred trees (typically Ponderosa pine) are considered to be eligible sites on the GMUG NFs.

Isolated Finds/Features: Occurrences of artifacts at less than the above shall be classified as "Isolated Finds" (IF), including "Scatters" (less than 25 artifacts) or "Isolated Artifacts" (an occurrence of a single item). Isolated occurrence descriptions will include at least one location (overview) photograph, and one photograph of the item(s) encountered and be evaluated on a Colorado OAHF Isolated Find Form. The isolate will receive a Smithsonian trinomial number. However, a "pot bust" is considered to be a scatter, even if it contains more than 25 sherds. A "Feature" is a construction that due to its recent nature or lack of association is not designated as a site. Examples would be an isolated trash dump, an abandoned road, a non-historic fence line, or a recent campfire ring. Such features may or may not be recommended for protection from project activities.

Exclusions: Certain constructions (modern fence lines, recreational and hunter camps, modern campfire rings, logging roads, skid trails, modern isolated trash dumps, and modern abandoned roads) may be excluded as sites due to their recent nature, lack of association, and minimal scientific importance.

Additional Documentation Provisions

1. Each site and isolated occurrence discovered shall be plotted with a GPS unit and transferred to 1:24,000 scale U.S.G.S. topographic maps, and identified with its Smithsonian number and with a Forest Service site number. Original copies of the maps with isolated finds and sites will be provided by the contractor to enable the GMUG NFs point of contact/s to inspect the results of the survey. A flash drive containing the shapefiles for the GPS locations, using the Forest Service attribute fields, will also be provided by the contractor. All file names will be compatible with the Colorado MoveIt system of file transfers.

All locational information will be provided as GIS shapefiles and on a hard copy of the USGS topo map to the Forest Service with the draft site forms.

GPS locations are required at site datum points. The site boundaries of sites that are greater than 0.1 acre in size will also be recorded with a GPS unit.

All GPS data gathered will meet the following accuracy standards:

- GPS Standard: NAD83, reported in UTM coordinates
- Locational point/polygon accuracy of 3 meters or less

- Submission of GPS data in two formats: hard copy on 1:24000 USGS topo maps and shapefiles (or feature classes) in a projected coordinate system compatible with ArcPro on a flash drive
- Attribute data will include Smithsonian numbers and meet OAHP standards

Sites will be marked in the field with a 12" section of rebar post with their Smithsonian site number on an aluminum tag flush with the modern ground surface at the datum point, flagging will also be placed in addition to the requirements mentioned above to denote site location.

2. At least two site overviews (digital photographs) will be taken from different bearings, for each site. Photographs should show identifying site characteristics and important landmarks for relocating the site. Photographs will be included with the OAHP site forms and will include provenience information. Photographs may be embedded in the report but a flash drive with all digital photography and a complete photo log will be provided to the USFS Heritage Specialist.
3. Each newly discovered site shall be recorded on the appropriate standard Colorado Office of Archaeology and Historic Preservation (OAHP) forms. Information contained on the site form is to be consistent with the instructions as listed on the (OAHP) website. Location and access information will also be detailed in writing for each site on the site form.
4. Sites and Isolated finds shall be plotted, described, and designated by a Smithsonian site number.
5. Previously recorded unevaluated sites within the survey areas will be relocated and re-evaluated on official Office of Archaeology and Historic Preservation Re-evaluation Forms with maps and photographs. ***If the existing site forms for these sites are older than 10 years, the sites must be re-recorded on current site forms that include all applicable forms.***
6. ***Need data and unevaluated sites, both previously recorded and newly discovered, within the project areas will have limited testing (shovel or trowel) to determine site eligibility.*** All sites will be evaluated as being eligible or not eligible. No sites will be evaluated as needing data or unevaluated. Testing will consist of a minimum of auger testing and one 1m x 1m. excavation square. If the site size exceeds 1 acre additional excavation squares may be necessary.
7. Historic trails will be documented as such on official Office of Archaeology and Historic Preservation Site Forms. Associated features such as sheepherder arborglyphs along a stock driveway will be recorded as sub-features of the historic trail if appropriate.

8. Draft maps and shapefiles of the site locations will be provided to the appropriate GMUG NFs point of contact/s within at least 90 days of completing fieldwork.
9. The contractor shall cease work upon discovering any human remains and associated funerary objects and shall immediately notify the authorized officer and the USFS Heritage Specialist. Work in the vicinity of the discovery may not resume until the authorized officer has given permission.

211 - Artifact Collection and Analysis

As a minimum the contractor shall perform the following:

1. The contractor shall not collect any artifacts, except for items such as Paleoindian projectile points and prehistoric pottery, these are exceptional artifacts that are at risk and cannot be reasonably protected in the field. These exceptional artifacts may also include exposed fragile perishable materials at risk of being destroyed or extremely significant diagnostics artifacts that are in immediate danger of being looted. All other analysis shall be done in the field.
2. Ceramic Analyses: In field analysis of ceramic materials will be done using standard regional published typologies in order to assign cultural affiliation and occupation dates, unless such artifacts are at risk as described in Number 1 above.
3. All collected items will be turned over to the GMUG NFs point of contact/s for the GMUG National Forests and will be labeled and packaged according to the curation standards for the Museum of Western Colorado.
4. Lithic Analysis: The Contractor should expect to encounter artifacts manufactured from sandstone, quartzite, rhyolite, basalt, obsidian, chert, petrified wood, chalcedony, and other siliceous and igneous materials. The Contractor shall explain the typology used in classifying the lithic artifacts in the final report. Lithic materials may consist of both ground and chipped stone varieties, and should, at a minimum, be assigned to functional and material categories. For example, manos should be identified by material and whether they are "one-hand" or "two-hand" in size and whether they are unifacially or bifacially worked.

220 - Survey report

At a minimum, survey reports shall follow OAHF guidelines. The report shall include a Forest Service project number, a OAHF number, a project map with site locations plotted, a map with known previously documented sites and surveys, a separate project map with the locations of isolated finds plotted, both on 1:24,000 scale USGS topographic quadrangles.

All typing and illustrations used in the report must be of suitable quality to provide a clear, legible copy when used on a duplicating (xerox) machine—even when black and white copies are produced.

The Smithsonian site number will be the primary site reference number used in the report. The report will include a table of the cultural sites (both previously recorded and newly discovered). The table will also include the Smithsonian number, site type, cultural affiliation, dates, eligibility recommendation, and management recommendations.

221- Transmittal of report

Within 30 days of completion of the fieldwork, one copy of the fieldwork summary will be submitted to the USFS Heritage Specialist. This Preliminary Findings Report will include:

- CHS-OAHP and FS report numbers;
- the number of sites documented;
- the field assessment of their conditions and eligibility; and
- draft maps and shapefiles of the site locations and transects

One copy of the draft survey report, photographs, forms, maps, etc. shall be submitted to the GMUG NFs point of contact/s within 90 days of completion of fieldwork. Upon submission of draft survey documents the GMUG NFs point of contact/s will have 30 days to inspect and provide comments on the draft survey documents to the contractor for finalization. The contractor will then have 30 days to make changes and submit the final survey reports and all project records. One hard copy of the final survey report will be submitted, along with all associated maps, photos, site forms, and other documents, and one digital copy of the report, forms, and shapefiles will be provided on a flash drive.

222- Future use of survey data

All field notes, maps, electronic data, photographs or digital images, negatives, and artifacts collected or generated from this procurement shall be the property of the United States and will be submitted to the USFS COR with the final inventory report after the project.

During the project, reasonable precautions will be taken to avoid the disclosure of site locations to all unauthorized personnel.

Division 300 - Inspection and Acceptance

Field research, artifact analysis (in the field only), and report are to meet professional archaeological standards outlined in the Colorado Office of Archaeology and Historic Preservation Guidelines as determined through review by the USFS Heritage Specialist.

Reports must contain the information mentioned above and must be written in a style that is clear, concise, well-organized, and easy to use. Poor writing, organization, production, insufficient information, and so forth are grounds for rejection of the report. Legal descriptions in the report must agree with those shown on maps and figures.

All inventory locations, sites, scatters, isolated artifacts, and features mentioned in the report must be shown on the report and/or site maps and vice versa. All diagnostic artifacts, artifact concentrations, and features must appear on the sketch maps and be discussed with the text of the forms.

Appropriate knowledge of the prehistory and history of the Forest must be demonstrated by use of correct terminology, dating, citation of classic standards as well as the most recent publications pertinent to the cultural resources of the Forest.

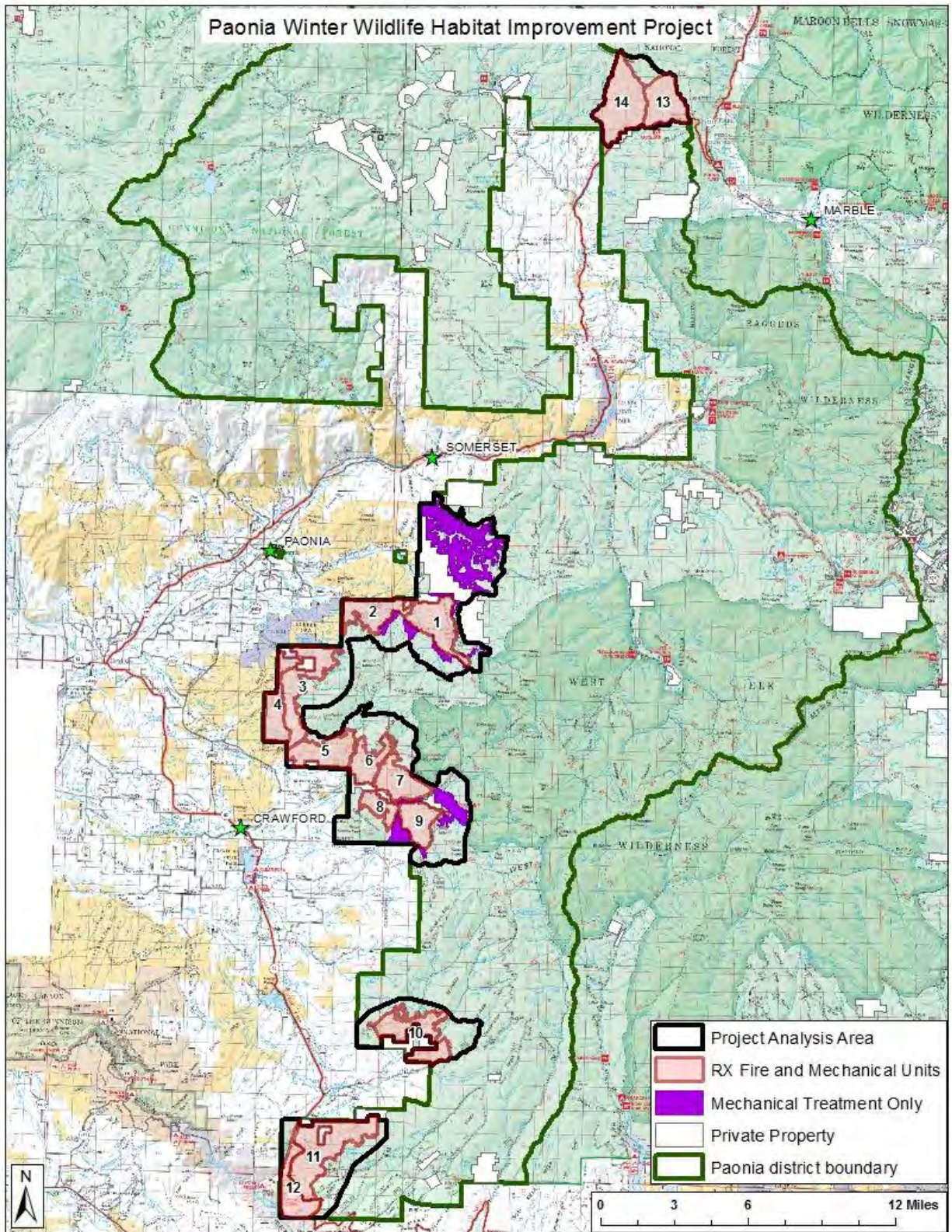
Additional standards and requirements may be established at the time the contract is awarded and will be discussed by NFF and the GMUG NFs point of contact/sand the Contractor at the time the contract is issued.

Division 400 – Payment

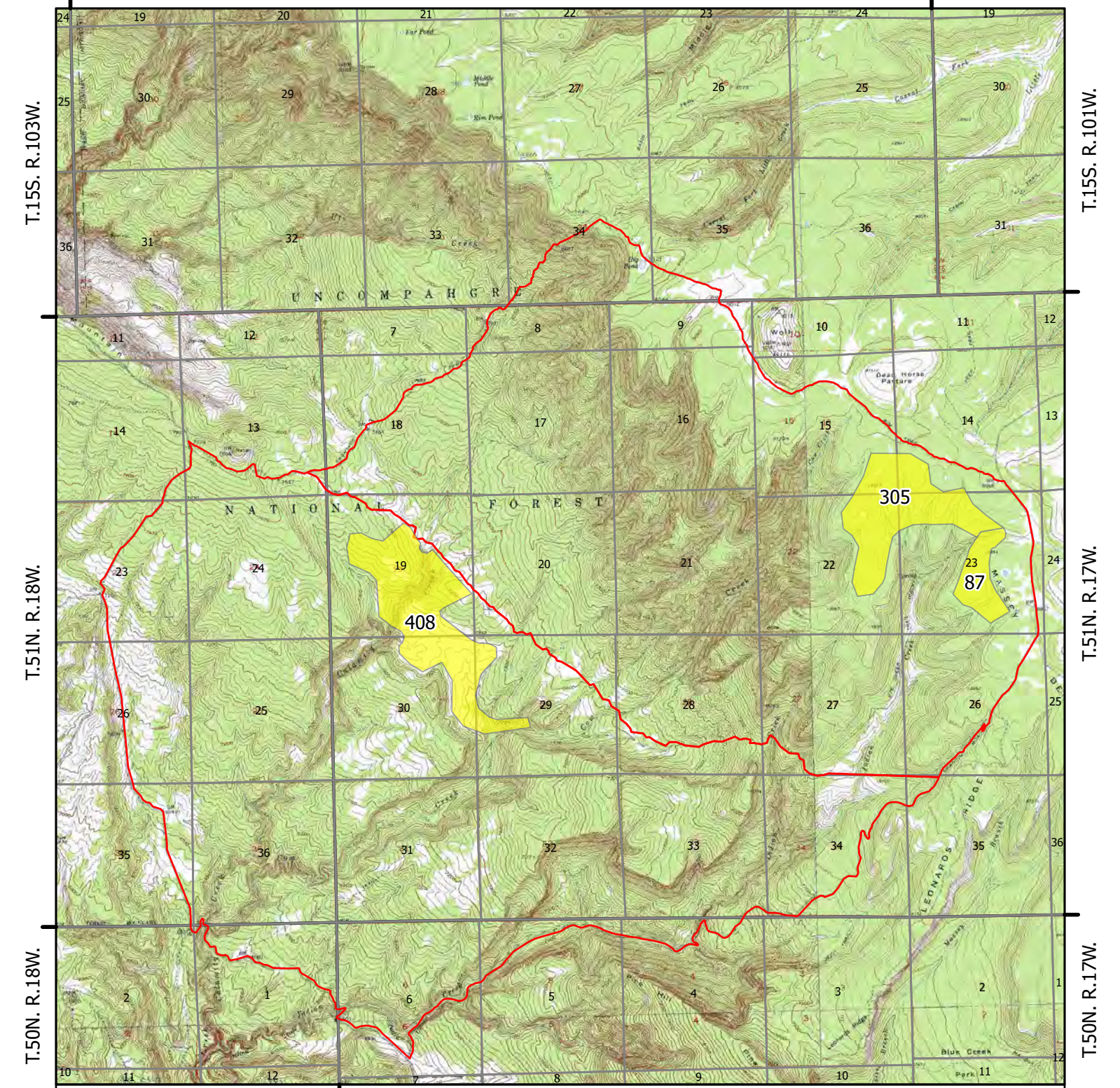
Thirty percent of the contract will be paid upon completion of the fieldwork.

Thirty percent will be paid once the draft report and site forms are submitted for review.

The final forty percent will be paid upon successful completion of Section 106 concurrence with CO SHPO (The GMUG NFs point of contact/sis responsible for submission to CHS-OAHP).



T.15S. R.103W. T.15S. R.102W. T.15S. R.101W.

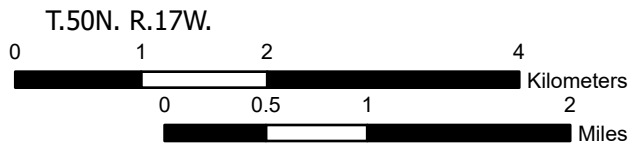


Cow Creek Habitat Improvement
R2022020402003
Proposed Post-Burn Survey with Acreages

GMUG NFs
Grand Valley RD
Drawn by: Mariah Walzer
December 20, 2023

- Proposed Survey
- CCHI APE
- PLSS Township Range
- PLSS Sections

Casto Reservoir, CO 7.5' USGS Quad
Pine Mountain, CO 7.5' USGS Quad
Calamity Mesa, CO 7.5' USGS Quad
Mesa County



T.50N. R.17W., T.50N. R.18W.,
T.51N. R.17W., T.51N. R.18W.,
T.15S. R.102W

Scale: 1:60,000
NAD 1983 UTM Zone 12

Paonia Wildlife Winter Habitat Improvement Project Class I Survey

CULTURAL RESOURCES CONTRACT SPECIFICATIONS

DIVISION 100 - GENERAL SPECIFICATIONS

110 - Scope of Contract

The Grand Mesa, Uncompahgre and Gunnison National Forests (GMUG NFs) intend to implement wildlife habitat and/or fuels reduction and Aspen treatment projects on the Paonia Ranger District.

The project area(s) are located in Delta, Gunnison, and Montrose Counties, Colorado.

Standards for the work are specified in Division 200.

Cultural survey(s) of the proposed project areas are required before this work can begin. The contractor shall create a Class I overview and define areas for Class II & III pedestrian archaeological inventory of the proposed project areas and reevaluate previously recorded sites. These sites are both prehistoric and historic sites.

Areas to be surveyed will be informed by project activities and the GMUG NFs probability model that rates areas from very high to low probability based on several aspects (e.g., slope, distance to water). In addition, the Compass records (CHS-OAHP) online database system, as well as Land Records (e.g., GLO, MTP) for historical records will also be reviewed and incorporated into survey design and cultural resource reports. General maps of project locations are attached. Detailed (topo) maps, site location maps, and site/IF forms for previously recorded resources are available for inspection by appointment at 1010 Kimball Ave, Grand Junction, CO, 81501. These will also be reviewed by the selected contractor at the pre-work meeting and/or as part of their Class I literature review.

The selected contractor shall provide the qualified personnel, transportation, supplies, equipment, and facilities to complete the following:

Bid Option: Paonia Wildlife Winter Habitat Improvement Project Class I

- For all items (i.e., potential Bid Options) the selected Contractor will be required to produce
 - Class I Literature Review report that details proposed areas for Class II & Class III surveys describing the known resources and previous work in the area
 - GIS shapefiles and maps of proposed areas/methods for survey

120 - Work submittal

The contract period is based on weather conditions, access, and ground visibility (i.e., remaining snow load) within the project area. The area must be 90% snow-free and reasonably dry before the commencement of fieldwork. Refer to Sections 220 and 221 for additional information on reporting requirements.

130 - Description and location

Project Description: Proposed treatments to the landscape are to enhance habitat conditions by increasing the palatability of shrub (browse) species, increasing grass/forb production, providing openings in pinyon/juniper woodlands, reducing fuels available for wildfires, and returning fire to fire-adapted landscapes. The primary treatment is prescribed fire with mechanical treatments used to provide a wider vegetation buffer to keep fire from entering the spruce/fir vegetation type and to protect town and range infrastructure. Prescribed fire would be performed primarily by using aerial ignitions with areas of hand lighting. Mechanical means of treatment may include ATV/UTV plows, mastication, and hand tools including chainsaws.

The overall project area is about 25,500 acres located throughout the Paonia Ranger District but can be broken down into five main subareas: Lamborn Mountain, Landsend Peak, Cathedral Peak, Buckhorn Gulch, and McClure Pass.

- **Lamborn Mountain:** treatment areas around occur in Township 14 South, Range 90 West, Sections 8, 9, 16-21, 28, 29 and Township 14 South, Range 91 West, Sections 13, 14, 23, 24, 26-29, 32-34
- **Landsend Peak:** treatment areas around are in Township 15 South, Range 90 West, Sections 7, 18-21, 27 - 32 and Township 15 South, Range 91 West, Sections 4, 5, 8-16, 23-26, 35, 36
- **Buckhorn Gulch:** Treatment areas around occur in Township 49 North, Range 6 West, Sections 1, 2, 8-2, 15, 16, 17, 20, 21, 28, 29
- **Cathedral Peak:** treatment areas around occur in Township 50 North, Range 6 West, Sections 1, 11, 13, 14, 23, and 24 and Township 50 North, Range 5 West, Sections 18 and 19 and Township 50 North, Range 5 West 2 sections 13, 14, 23, 24, 25, 26
- **McClure Pass:** treatment areas around occur in Township 11 South, Range 89 West, Sections 2, 3, 4, 9, 16

Known Surveys and Sites: There are at least twenty known surveys conducted in the area (ranging from the 1970s to the present), resulting in approximately 25 sites that are in need of re-visits and updates. Additional sites both prehistoric and historic are expected to be encountered.

The GMUG NFs Point of Contact reserves the right to modify areas to be surveyed by the Contractor. If such survey changes are necessary, adjustments will be mutually agreed to by the GMUG NFs Point of Contact.

140 - Furnished property

The NFF will coordinate with the selected contractor and the GMUG NFs to provide relevant project information for the corresponding survey work, including but not limited to GIS shapefiles of the general project areas, scheduling a pre-work conference after the contract is awarded, and site walk-throughs as requested.

150 – Property furnished by the Contractor

The Contractor will furnish all other supplies and equipment needed to accomplish the fieldwork and site form documentation according to the specifications of this contract. This includes GPS equipment, computer programs, compasses, and cameras.

160 – Contractor Qualifications

The **Principal Investigator** for the project(s) must hold a valid R2 Forest Service Cultural Resource Use Permit for the GMUG National Forests and meet the Secretary of Interior Standards (SOI).

The **Crew Chief** of each survey crew must have the following minimum qualifications:

- A graduate degree in anthropology, specializing in archaeology, or equivalent archaeological experience.
- Must be listed as a crew chief on the Principal Investigator's valid FS Cultural Resource Special Use Permit.
- At least 16 months of professional experience and/or specialized training in archaeological field work, artifact analysis, and administration.
- At least 6 months experience in archaeological survey or excavation within the southwestern region of Colorado.
- Demonstrated competence in collecting, handling, analyzing, evaluating, and reporting archaeological data.
- The demonstrated ability to plan, equip, staff, organize, and supervise a cultural resources survey.
- The demonstrated ability to accurately plot archaeological site locations on topographic maps and to map sites using GPS.
- Demonstrated competence in identifying and describing artifacts including identification of prehistoric ceramics found within southwestern Colorado, using published type descriptions.

Each **crew member** must have the following minimum qualifications:

- At least 18 semester hours of credit in archaeology, anthropology, and/or history courses. Courses must include information on the conduct and theory of archaeological survey and excavation.
- At least 3 months field experience in archaeological survey. Crew members must work under the direct field supervision of a certified crew leader or project supervisor.

All individuals proposed to work as principal investigators, project directors, or in other supervisory capacities must notify the GMUG NFs Point of Contact and discuss any special conditions that may apply to this project. Any issues or concerns encountered during the production of the report and GIS data that would result in a delay or unusual circumstances must be brought to the attention of the GMUG NFs Point of Contact before the completion of the project.

DIVISION 200 - TECHNICAL SPECIFICATIONS

210 - Survey techniques

The contractor shall commence work by coordinating with the GMUG NFs Point of Contact to schedule an appointment to conduct a record search at the Grand Valley Ranger District.

As a minimum, the Contractor shall perform the following:

1. The contractor will conduct and prepare a Class I Literature Review of the previous survey and site/isolated find documentation within the proposed project area at the Grand Valley Ranger District Heritage files, CHS-OAHP, Government Land Office plats, and all other pertinent files or records available.
2. This Class I report will also include a future work proposal that defines the area for survey, and the level of survey required (i.e., Class II & III pedestrian survey) that contains georeferenced maps and shapefiles.

Definitions:

Sites: For this contract, a cultural resources site is defined as a locus of prehistoric or pre-1975 historic human activity at a level of intensity normally involving evidence of purposeful behavior beyond the level of one or a few (less than 25) accidentally deposited artifacts. Minimal site identification criteria include at least one of the following:

- (a) One or more features,
- (b) one formal tool if associated with other cultural materials or more than one formal tool,
- (c) an occurrence of three or more types of artifacts or materials,
- (d) two types of artifacts or materials in a density of at least ten items per 100 square meters,
- (e) a single type of artifact or material in a density of at least 25 artifacts in a definable area,
- (f) culturally modified or scarred trees (typically Ponderosa pine) are eligible sites on the GMUG National Forests.

Isolated Finds/Features: Occurrences of artifacts at less than the above shall be classified as "Isolated Finds" (IF), including "Scatters" (less than 25 artifacts) or "Isolated Artifacts" (an occurrence of a single item). Isolated occurrence descriptions will include at least one location (overview) photograph, one photograph of the item(s) encountered and be evaluated on a Colorado OAHP Isolated Find Form. The isolate will receive a Smithsonian trinomial number. A "Feature" is a

construction that due to its recent nature or lack of association is not designated as a site. Examples would be an isolated trash dump, an abandoned road, a non-historic fence line, or a recent campfire ring. Such features may or may not be recommended for protection from project activities.

Exclusions: Certain constructions (modern fence lines, recreational and hunter camps, modern campfire rings, logging roads, skid trails, modern isolated trash dumps, and modern abandoned roads) may be excluded as sites due to their recent nature, lack of association, and minimal scientific importance.

220 – Survey Report

At a minimum, the Class I report shall follow OAHP guidelines. The report shall include a Forest Service project number, an OAHP number, a project map with site locations plotted, a map with known 1:24,000 scale previously documented sites and surveys, a separate project map with the locations of isolated finds plotted, both on USGS topographic quadrangles. Areas identified for the survey will be identified and plotted on maps with a 1:24,000 scale.

All typing and illustrations used in the report must be of suitable quality to provide a clear, legible copy when used on a duplicating (xerox) machine—even when black and white copies are produced.

The Smithsonian site number will be the primary site reference number used in the report. The report will include a table of the cultural sites and isolated finds. The table will also include the Smithsonian number, site/isolated find type, cultural affiliation, dates, eligibility recommendations, and management recommendations. The report will contain a table that includes the OAHP report and Forest Service report numbers and identify the associated sites within the project area.

221- Transmittal of report

A draft Class I will be due September 30, 2024:

- CHS-OAHP and FS report numbers;
- the number of sites documented;
- assessment of their conditions and eligibility; and
- draft maps and shapefiles of proposed areas for Class I & II surveys

Upon submission of draft survey documents the GMUG NFs Point of Contact will have 30-days to inspect and provide comments upon the draft survey documents to the contractor for finalization. The contractor will then have 30-days to make changes and submit the final survey reports and all project records. One hard copy of the final report will be submitted, along with all associated maps, photos, and site forms and other documents, and one digital copy of the report, forms, and shapefiles will be provided on a flash drive.

222- Future use of survey data

All field notes, maps, electronic data, photographs or digital images, negatives, and artifacts collected or generated from this procurement shall be the property of the United States and will be submitted with the final inventory report after the project.

During the project, reasonable precautions will be taken to avoid the disclosure of site locations to all unauthorized personnel.

Division 300 - Inspection and Acceptance

The Class I report must meet guidelines as outlined in the Colorado Office of Archaeology and Historic Preservation Guidelines as determined through review by GMUG NFs Point of Contact.

Reports must contain the information mentioned above and must be written in a style that is clear, concise, and most importantly well organized and easy to use. Poor writing, organization, production, insufficient information, and so forth are grounds for rejection of the report. Legal descriptions in the report must agree with those shown on maps and figures.

All inventory locations, sites, scatters, isolated artifacts, and features mentioned in the report must be shown on the report and/or site maps and vice versa.

Appropriate knowledge of the prehistory and history of the Forest must be demonstrated by the use of correct terminology, dating, citation of classic standards as well as the most recent publications pertinent to the cultural resources of the Forest.

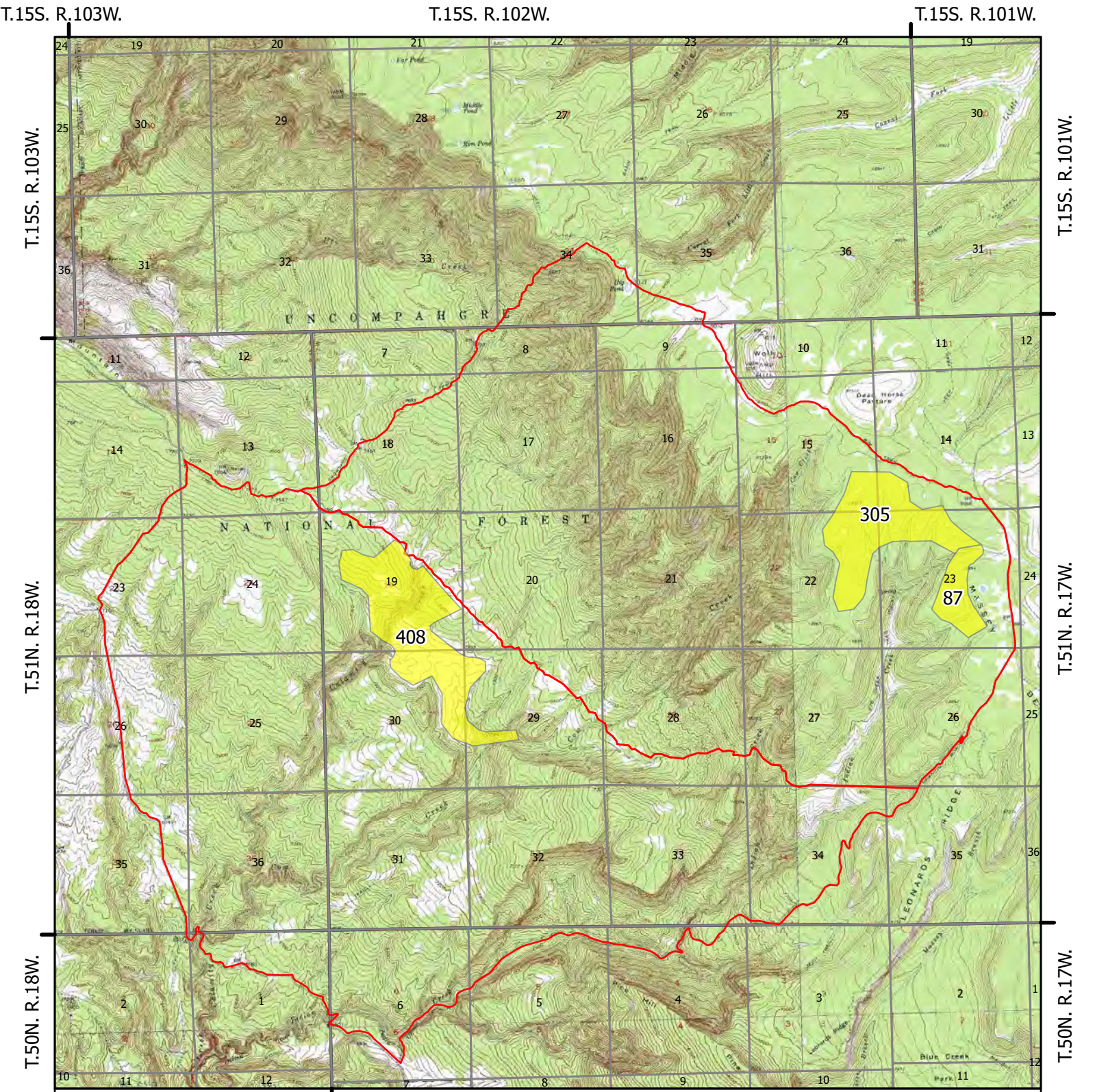
Additional standards and requirements may be established at the time the contract is awarded and will be discussed by the GMUG NFs Point of Contact, and other staff as relevant/needed at the time the contract is issued.

Division 400 - Payment

Thirty percent of the contract will be paid upon completion and submission of the draft Class I for review.

Thirty percent of the contract will be paid upon acceptance of the final report, site forms, and GIS data.

The final forty percent will be paid upon successful completion of Section 106 concurrence with CO SHPO (GMUG NFs Point of Contact is responsible for submission to CHS-OAHP).



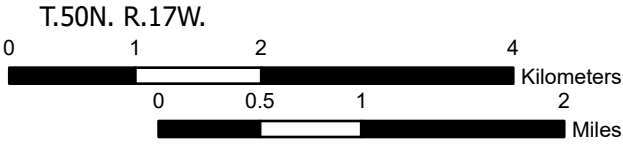
**Cow Creek Habitat Improvement
R2022020402003
Proposed Post-Burn Survey with Acreages**

GMUG NFs
Grand Valley RD
Drawn by: Mariah Walzer
December 20, 2023

- Proposed Survey
- CCHI APE
- PLSS Township Range
- PLSS Sections

Casto Reservoir, CO 7.5' USGS Quad
Pine Mountain, CO 7.5' USGS Quad
Calamity Mesa, CO 7.5' USGS Quad
Mesa County

T.50N. R.17W., T.50N. R.18W.,
T.51N. R.17W., T.51N. R.18W.,
T.15S. R.102W



Scale: 1:60,000
NAD 1983 UTM Zone 12

**Grand Valley Ranger District Cow Creek Prescribed Fire Post Burn Surveys
CULTURAL RESOURCES CONTRACT SPECIFICATIONS**

DIVISION 100 - GENERAL SPECIFICATIONS

110 - Scope of Contract

The Grand Mesa, Uncompahgre and Gunnison National Forests (GMUG NFs) intend to complete post-burn surveys on the Cow Creek Prescribed Fire on the Grand Valley Ranger District (GVRD).

The project area is located in Mesa County, Colorado.

Standards for the survey are specified in Division 200.

Cultural survey(s) of the proposed project area is required within one year of the completion of the prescribed burn. The contractor shall design and perform a Class III pedestrian archaeological inventory of proposed project areas and reevaluate previously recorded sites. These sites are both prehistoric and historic sites.

Areas to be surveyed will be informed by the GMUG NFs probability model that rates areas from very high to low probability based on several aspects (e.g., slope, distance to water). In addition, the Compass records (CHS-OAHP) online database system, as well as Land Records (e.g., GLO, MTP) for historical records will also be reviewed and incorporated into survey design and cultural resource reports. General maps of project locations are attached. Detailed (topo) maps, site location maps, and site/IF forms for previously recorded resources are available for inspection by appointment at 1010 Kimball Ave, Grand Junction, CO, 81501. These will also be reviewed by the selected contractor at the pre-work meeting and/or as part of their Class I literature review.

The selected Contractor shall provide the qualified personnel, transportation, supplies, equipment, and facilities to complete the following:

- Conduct intensive and broad level (Class III) pedestrian field inventory of the specified areas of potential effect. Surveys will be in the following bid options:

Bid Option: Cow Creek Post-Burn Cultural Resource Inventories: approximately 800 acres, 20 known evaluations of known and purported cultural resources.

- For all items (i.e., potential Bid Options) the selected Contractor will be required to produce a Class I Literature Review and Field Work Authorization (FWA) detailing the known resources and previous work in the area along with the proposed areas/methods for survey prior to commencement of fieldwork.
- Produce a Preliminary Findings Report with GIS information within 30-days of completion of the fieldwork for each specific Bid Option.
- Request CHS-OAHP report and site numbers directly from SHPO, request FS Numbers from the GMUG NFs Point of Contact.
- Produce a draft Cultural Resource Inventory Report for the inventory that meets CHS-OAHP and Forest Service guidelines within 90-day of completion of fieldwork.

- Produce draft Colorado CHS-OAHP site and isolated forms in accordance with CHS-OAHP and Forest Service guidelines including management recommendations concerning the proposed action near or within the sites.
- Produce a Final Cultural Resource Inventory Report wherein all forms, written and maps products, and GIS data meet CHS-OAHP and Forest Service requirements for submittal.
- As a condition of final approval and invoicing attain official concurrence on the Area of Potential Effect (APE), Determination of Eligibility (DOE), Finding of Effect (FOE) and management recommendations.

120 - Work submittal

The contract period is based on weather conditions, access, and ground visibility (i.e., remaining snow load) within the project area. The area must be 90% snow free and reasonably dry prior to commencement of fieldwork. Refer to Sections 220 and 221 for additional information on reporting requirements.

130 - Description and location

Project Description: The Cow Creek Prescribed Post Burn Survey Project is a post management implementation inventory of areas within and adjacent to an already completed prescribed burn that took place in September of 2023. The project is located on public lands managed by the Grand Valley Ranger District (GVRD) of the GMUG NFs. The results will help the GVRD assess post burn conditions and effects and further identify sites. The project area is within Mesa County. (see attached map). The legal description is:

Table1: Legal Locations – Cow Creek Rx Project Area									
6th Principal Meridian									
Township			Range	Sections	Township			Range	Sections
T15S			R48W	32-34					
T16S			R48W	1-4, 8-16, 22-24					
T16S			R47W	7, 18, 19					
USGS 7.5' Quad Sheets – Colorado					USGS 7.5' Quad Sheets – Colorado				
Lewis Lake									
East of Lewis Lake									

The GMUG NFs Point of Contact reserve the right to modify areas to be surveyed by the Contractor. If such survey changes are necessary, adjustments will be mutually agreed to by the GMUG NF Forest Heritage Specialist and contractor(s).

140 - Furnished property

The NFF will coordinate with the selected contractor and the GMUG NFs Point of Contact to provide relevant project information for the corresponding survey work, including but not limited to GIS shapefiles of the general project areas, scheduling a pre-work conference after the contract is awarded, and site walk-throughs as requested.

150 – Property furnished by the Contractor

The contractor will furnish all other supplies and equipment needed to accomplish the fieldwork and site form documentation according to the specifications of this contract. This includes GPS equipment, computer programs, compasses, and cameras. In addition to the previous items, the contractor will also be required to provide 12" sections of rebar post, metal tags, and flagging to mark identified site datum points.

160 – Contractor Qualifications

The **Principal Investigator** for the project(s) must hold a valid R2 Forest Service Cultural Resource Use Permit for the GMUG National Forests and meet the Secretary of Interior Standards (SOI).

The **Crew Chief** of each survey crew must have the following minimum qualifications:

- A graduate degree in anthropology, specializing in archaeology, or equivalent archaeological experience.
- Must be listed as a crew chief on the Principal Investigator's valid FS Cultural Resource Special Use Permit.
- At least 16 months of professional experience and/or specialized training in archaeological field work, artifact analysis, and administration.
- At least 6 months experience in archaeological survey or excavation within the southwestern region of Colorado.
- Demonstrated competence in collecting, handling, analyzing, evaluating, and reporting archaeological data.
- The demonstrated ability to plan, equip, staff, organize, and supervise a cultural resources survey.
- The demonstrated ability to accurately plot archaeological site locations on topographic maps and to map sites using GPS.
- Demonstrated competence in identifying and describing artifacts including identification of prehistoric ceramics found within southwestern Colorado, using published type descriptions.

Each **crew member** must have the following minimum qualifications:

- At least 18 semester hours of credit in archaeology, anthropology, and/or history courses. Courses must include information on the conduct and theory of archaeological survey and excavation.
- At least 3 months field experience in archaeological survey. Crew members must work under the direct field supervision of a certified crew leader or project supervisor.

All individuals proposed to work as principal investigators, project directors, or in other supervisory capacities must notify the NFF and the GMUG NFs Point of Contact and discuss any special conditions that may apply to this project before beginning fieldwork. Any issues or concerns encountered during fieldwork or in the production of the report, site forms, and GIS data that would result in a delay or unusual circumstances must be brought to the attention of the NFF and the GMUG NFs Point of Contact prior to the completion of the project.

DIVISION 200 - TECHNICAL SPECIFICATIONS

210 - Survey techniques

The contractor shall commence work by coordinating with the GMUG NFs Point of Contact to schedule an appointment to conduct a record search at the Grand Valley Ranger District. Fieldwork must be completed by November 30, 2024, and specific Bid Option deadlines will be negotiated depending on the scope and scale of accepted bid items for that respective calendar year. The following fieldwork restrictions for snow cover apply: all survey areas must be 90% snow-free and reasonably dry. Provisions for extension on fieldwork dates can be made for unusual or prolonged weather or field conditions.

The project areas can be accessed by vehicle and then by foot. Field personnel will be required to keep all motorized vehicles on existing roads. Limits of the survey areas are not marked in the field. Overall, survey areas will require accurate location, orientation, and assessment of field conditions prior to inventory.

As a minimum, the Contractor shall perform the following:

1. Prior to conducting fieldwork, the contractor will conduct and prepare a Class I Literature Review of the all-previous survey and site documentation within the proposed project area at the GVRD Heritage files, CHS-OAHP, Government Land Office plats, and all other pertinent files or records available.
2. Prepare a Field Work Authorization (FWA) that details the proposed area for survey, methodology, transect spacing, conditions that must be met for survey, and the level of survey required.
3. Conduct Class II & III pedestrian survey of the project area. The maximum transect width between each surveyor will not exceed 25 m. (80 ft.) when conducting Class III surveys. Spacing may be increased as needed by slope, vegetation, and ground cover on some steeper units for Class II surveys. The areas proposed for Class II surveys must be coordinated prior to commencement of fieldwork. Map and compass or GPS shall be used to ensure systematic, even coverage of the survey areas. A GPS shapefile of the transect tracks will be submitted to the GMUG NFs Point of Contact with the Preliminary Findings Report.
4. Each crew must be directly supervised by a crew leader who meets SOI requirements for crew leader.

Sites: For this contract, a cultural resources site is defined as a locus of prehistoric or pre-1975 historic human activity at a level of intensity normally involving evidence of purposeful behavior beyond the level of one or a few (less than 25) accidentally deposited artifacts. Minimal site identification criteria include at least one of the following:

- (a) One or more features,
- (b) one formal tool if associated with other cultural materials or more than one formal tool,
- (c) an occurrence of three or more types of artifacts or materials,
- (d) two types of artifacts or materials in a density of at least ten items per 100 square meters,
- (e) a single type of artifact or material in a density of at least 25 artifacts in a definable area,
- (f) culturally modified or scarred trees (typically Ponderosa pine) are considered to be eligible sites on the GMUG National Forest.

Isolated Finds/Features: Occurrences of artifacts at less than the above shall be classified as "Isolated Finds" (IF), including "Scatters" (less than 25 artifacts) or "Isolated Artifacts" (an occurrence of a single item). Isolated occurrence descriptions will include at least one location (overview) photograph, one photograph of the item(s) encountered and be evaluated on a Colorado OAHF Isolated Find Form. The isolate will receive a Smithsonian trinomial number. A "Feature" is a construction that due to its recent nature or lack of association is not designated as a site. Examples would be an isolated trash dump, an abandoned road, a non-historic fence line, or a recent campfire ring. Such features may or may not be recommended for protection from project activities.

Exclusions: Certain constructions (modern fence lines, recreational and hunter camps, modern campfire rings, logging roads, skid trails, modern isolated trash dumps, and modern abandoned roads) may be excluded as sites due to their recent nature, lack of association, and minimal scientific importance.

Additional Documentation Provisions

Each site and isolated occurrence discovered shall be plotted with a GPS unit and transferred to 1:24,000 scale U.S.G.S. topographic maps, and identified with its Smithsonian number and with a Forest Service site number. Original copies of the maps with isolated finds and sites will be provided by the contractor to enable the GMUG NFs Point of Contact to inspect the results of the survey. A flash drive containing the shapefiles for the GPS locations, using the Forest Service attribute fields, will also be provided by the contractor. All file names will be compatible with the Colorado MoveIt system of file transfers.

All locational information will be provided as GIS shapefiles and on a hard copy of the USGS topo map to the Forest Service with the draft site forms.

GPS locations are required at site datum points. The site boundaries of sites are greater than 0.1 acre in size will also be recorded with a GPS unit.

All GPS data gathered will meet the following accuracy standards:

- GPS Standard: NAD83, reported in UTM coordinates
- Locational point/polygon accuracy of 3 meters or less
- Submission of GPS data in two formats: hard copy on 1:24000 USGS topo maps and shapefiles (or feature classes) in a projected coordinate system compatible with ArcPro on flash drive
- Attribute data will include Smithsonian numbers and meet OAHP standards

Sites will be marked in the field with a 12" section of rebar post with their Smithsonian site number on an aluminum tag flush with the modern ground surface at the datum point. Due to the timing of project implementation site flagging may be required. In cases where site flagging is required, sites determined to be eligible (or potentially eligible) for the NRHP will be flagged for avoidance during recordation using a color specified by the GMUG NFs Point of Contact. Flagging should be placed on the exterior of the site boundary (to allow equipment operators to see and anticipate the site) and at sufficient intervals to allow visibility from one flag to another. If a protective buffer around the site (instead of the site boundary) is to be flagged, the GMUG NFs Point of Contact will specify this.

1. At least two site overviews (digital photographs) will be taken from different bearings, for each site. Photographs should show identifying site characteristics and important landmarks for relocating the site. Photographs will be included with the OAHP site forms and will include provenience information. Photographs may be embedded in the report but a flash drive with all digital photography and a complete photo log will be provided to the GMUG NFs Point of Contact.
2. Each newly discovered site shall be recorded on the appropriate standard Colorado Office of Archaeology and Historic Preservation (OAHP) forms. Information contained on the site form is to be consistent with the instructions as listed on the (OAHP) website. Location and access information will also be detailed in writing for each site on the site form.
3. Sites and Isolated finds shall be plotted, described, and designated by a Smithsonian site number.
4. Previously recorded unevaluated sites within the survey areas will be relocated and re-evaluated on official Office of Archaeology and Historic Preservation Re-evaluation Forms with maps and photographs. ***If the existing site forms for these sites are older than 10 years, the sites must be re-recorded on current site forms that include all applicable forms.***
5. ***Need data and unevaluated sites, both previously recorded and newly discovered, within the project areas will have limited testing (shovel or trowel) to determine site eligibility.*** All sites will be evaluated as being eligible or not eligible. No sites will be evaluated as need data or unevaluated. Testing will consist of a minimum of auger testing and one 1m x 1m. excavation square. If the site size exceeds 1-acre additional excavation squares may be necessary.

6. Historic trails will be documented as such on official Office of Archaeology and Historic Preservation Site Forms. Associated features such as sheepherder arborglyphs along a stock driveway will be recorded as sub-features of the historic trail if appropriate.
7. Draft maps and shapefiles of the site locations will be provided to the appropriate GMUG NFs Point of Contact within at least 90-days of completing fieldwork.
8. The contractor shall cease work upon discovering any human remains and associated funerary objects and shall immediately notify the authorized officer and the GMUG NFs Point of Contact. Work in the vicinity of the discovery may not resume until the authorized officer has given permission.

211 - Artifact Collection and Analysis

As a minimum the Contractor shall perform the following:

1. The Contractor shall not collect any artifacts, except for items such as Paleoindian projectile points and prehistoric pottery, these are exceptional artifacts that are at risk and cannot be reasonably protected in the field. These exceptional artifacts may also include exposed fragile perishable materials at risk of being destroyed or extremely significant diagnostics artifacts that are in immediate danger of being looted. All other analysis shall be done in the field.
2. Ceramic Analyses: In field analysis of ceramic materials will be done using standard regional published typologies in order to assign cultural affiliation and occupation dates, unless such artifacts are at risk as described in Number 1 above.
3. All collected items will be turned over to the GMUG NFs Point of Contact for the GMUG National Forests and will be labeled and packaged according to the curation standards for the Museum of Western Colorado.
4. Lithic Analysis: The Contractor should expect to encounter artifacts manufactured from sandstone, quartzite, rhyolite, basalt, obsidian, chert, petrified wood, chalcedony, and other siliceous and igneous materials. The Contractor shall explain the typology used in classifying the lithic artifacts in the final report. Lithic materials may consist of both ground and chipped stone varieties, and should, at a minimum, be assigned to functional and material categories. For example, manos should be identified by material and whether they are "one-hand" or "two-hand" in size and whether they are unifacially or bifacially worked.

220 - Survey report

At a minimum, survey reports shall follow OAHP guidelines. The report shall include a Forest Service project number, an OAHP number, a project map with site locations plotted, a map with known previously documented sites and surveys, a separate project map with the locations of isolated finds plotted, both on 1:24,000 scale USGS topographic quadrangles.

All typing and illustrations used in the report must be of suitable quality to provide a clear, legible copy when used on a duplicating (xerox) machine—even when black and white copies are produced.

The Smithsonian site number will be the primary site reference number used in the report. The report will include a table of the cultural sites (both previously recorded and newly discovered). The table will also include the Smithsonian number, site type, cultural affiliation, dates, eligibility recommendation, and management recommendations.

221- Transmittal of report

Within 30-days of completion of the fieldwork, one copy of the fieldwork summary will be submitted to the GMUG NFs Point of Contact. This Preliminary Findings Report will include:

- CHS-OAHP and FS report numbers;
- the number of sites documented;
- the field assessment of their conditions and eligibility; and
- draft maps and shapefiles of the site locations and transects.

One copy of the draft survey report, photographs, forms, maps, etc. shall be submitted to the GMUG NFs Point of Contact within 90-days of completion of fieldwork. Upon submission of draft survey documents the GMUG NFs Point of Contact will have 30-days to inspect and provide comments upon the draft survey documents to the contractor for finalization. The contractor will then have 30-days to make changes and submit the final survey reports and all project records. One hard copy of the final survey report will be submitted, along with all associated maps, photos, and site forms, and other documents, and one digital copy of the report, forms, and shapefiles will be provided on a flash drive.

222- Future use of survey data

All field notes, maps, electronic data, photographs or digital images, negatives, and artifacts collected or generated from this procurement shall be the property of the United States and will be submitted with the final inventory report after the project.

During the project, reasonable precautions will be taken to avoid the disclosure of site locations to all unauthorized personnel.

Division 300 - Inspection and Acceptance

Field research, artifact analysis (in field only), and report are to meet professional archaeological standards outlined in the Colorado Office of Archaeology and Historic Preservation Guidelines as determined through review by the GMUG NFs Point of Contact.

Reports must contain the information mentioned above and must be written in a style that is clear, concise, and well organized and easy to use. Poor writing, organization, production, insufficient information, and so forth are grounds for rejection of the report. Legal descriptions in the report must agree with those shown on maps and figures.

All inventory locations, sites, scatters, isolated artifacts, and features mentioned in the report must be shown on the report and/or site maps and vice versa. All diagnostic artifacts, artifact concentrations, and features must appear on the sketch maps and be discussed with the text of the forms.

Appropriate knowledge of the prehistory and history of the Forest must be demonstrated by the use of correct terminology, dating, citation of classic standards as well as the most recent publications pertinent to the cultural resources of the Forest.

Additional standards and requirements may be established at the time the contract is awarded and will be discussed by the NFF and the GMUG NFs Point of Contact at the time the contract is issued.

Division 400 - Payment

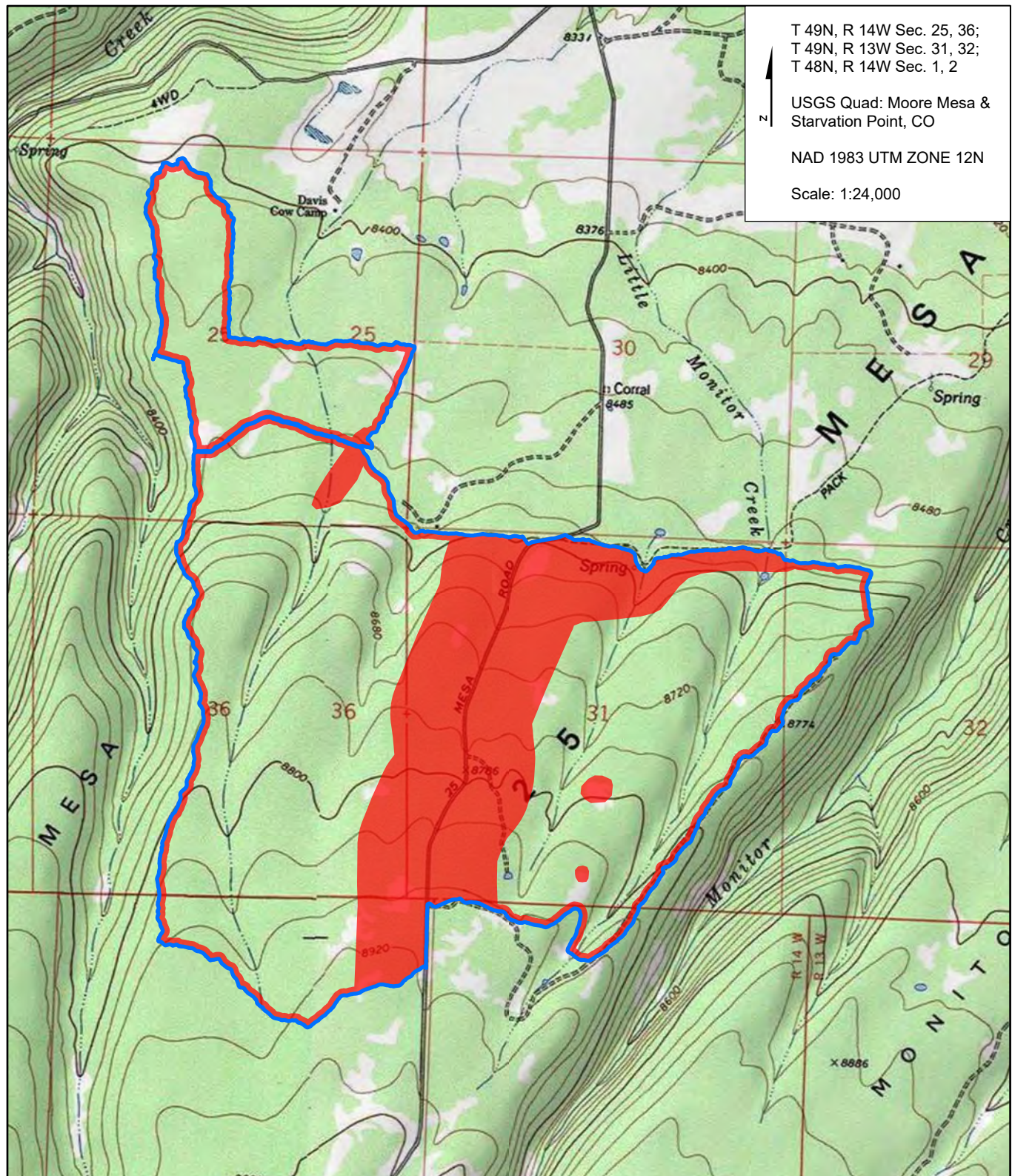
Thirty percent of the contract will be paid upon completion of the fieldwork.

Thirty percent will be paid once the draft report and site forms are submitted for review.

The final forty percent will be paid upon successful completion of Section 106 concurrence with CO SHPO (GMUG NFs Point of Contact is responsible for submission to CHS-OAHP).

25 Mesa Prescribed Fire Heritage Survey

GMUG National Forest - Ouray Ranger District



T 49N, R 14W Sec. 25, 36;
T 49N, R 13W Sec. 31, 32;
T 48N, R 14W Sec. 1, 2

USGS Quad: Moore Mesa &
Starvation Point, CO

NAD 1983 UTM ZONE 12N

Scale: 1:24,000

0 250 500 1,000 Meters
0 0.13 0.25 0.5 Miles

25 Mesa Heritage Survey Area
25 Mesa Prescribed Fire Units

The USDA uses the most current and complete data available. GIS data and product accuracy may vary. Using GIS products for any other purpose other than those for which they were intended may yield inaccurate or misleading results. The USDA Forest Service reserves the right to correct, update, modify, or replace GIS products without notification.

25 Mesa Survey Project
CULTURAL RESOURCES CONTRACT SPECIFICATIONS

DIVISION 100 - GENERAL SPECIFICATIONS

110 - Scope of Contract

The Grand Mesa, Uncompahgre and Gunnison National Forests (GMUG NFs) intend to implement fuel reduction and prescribed fire projects on the Ouray Ranger District.

The project area(s) are located in Montrose Counties, Colorado.

Standards for the survey are specified in Division 200.

Cultural survey(s) of the proposed project areas are required before this work can begin. The contractor shall design and perform a Class III pedestrian archaeological inventory of the proposed project areas and reevaluate previously recorded sites. These sites are both prehistoric and historic sites.

Areas to be surveyed will be informed by the GMUG NFs probability model that rates areas from very high to low probability based on several aspects (e.g., slope, distance to water). In addition, the Compass records (CHS-OAHP) online database system, as well as Land Records (e.g., GLO, MTP) for historical records will also be reviewed and incorporated into survey design and cultural resource reports. General maps of project locations are attached. Detailed (topo) maps, site location maps, and site/IF forms for previously recorded resources are available for inspection by appointment at 2505 S Townsend Ave, Montrose, CO 81401. These will also be reviewed by the selected contractor at the pre-work meeting and/or as part of their Class I literature review.

The selected Contractor shall provide the qualified personnel, transportation, supplies, equipment, and facilities to complete the following:

- Conduct intensive and broad level (Class III) pedestrian field inventory of the specified areas of potential effect. Surveys will be in the following bid options:

Bid Option: **25 Mesa Prescribed Fire:** approximately 412 acres, 6 known re-evaluations.

- For all items (i.e., potential Bid Options) the selected Contractor will be required to produce a Class I Literature Review and Field Work Authorization (FWA) detailing the known resources and previous work in the area along with the proposed areas/methods for survey before commencement of fieldwork.
- Produce a Preliminary Findings Report with GIS information within one week of completion of the fieldwork for each specific Bid Option.
- Request CHS-OAHP report and site numbers directly from SHPO, request FS Numbers from the GMUG NFs Point of Contact.
- Produce a draft Cultural Resource Inventory Report for the inventory that meets CHS-OAHP and Forest Service guidelines within 30-days of completion of fieldwork.
- Produce draft Colorado CHS-OAHP site and isolated forms per CHS-OAHP and Forest Service guidelines including management recommendations concerning the proposed action near or within the sites.

- Produce a Final Cultural Resource Inventory Report wherein all forms, written and maps products, and GIS data meet CHS-OAHP and Forest Service requirements for submittal.
- As a condition of final approval and invoicing attain official concurrence on the Area of Potential Effect (APE), Determination of Eligibility (DOE), Finding of Effect (FOE) and management recommendations.

120 - Work submittal

The contract period is based on weather conditions, access, and ground visibility (i.e., remaining snow load) within the project area. The area must be 90% snow free and reasonably dry prior to commencement of fieldwork. Refer to Sections 220 and 221 for additional information on reporting requirements.

130 - Description and location

Project Description: The 25 Mesa Prescribed Burn Project is an inventory of areas within an prescribed burn unit on public lands managed by the Ouray Ranger District (ORD) of the GMUG NF. The project area is within Montrose County. (see attached map). The legal description is:

Table1: Legal Locations – Cow Creek Rx Project Area								
6th Principal Meridian								
Township		Range	Sections		Township		Range	Sections
T49N		R14W	25, 36					
T49N		R13W	31, 32					
T48N		R14W	1,2					
USGS 7.5' Quad Sheets – Colorado					USGS 7.5' Quad Sheets – Colorado			
Starvation Point								
Moore Mesa								

The project proposes to treat three (3) units on 25 Mesa with broadcast burning and pre-treatment of units. Activities associated with the proposed action include broadcast burning across the units and maintenance of control lines using mastication, hand line, plow line, dozer line, removing fallen trees, and removal of some fuels along roads.

The designated GMUG NF Forest Heritage Specialist reserve the right to modify areas to be surveyed by the Contractor. In the event that such survey changes are necessary, adjustments will be mutually agreed to by the GMUG NF Forest Heritage Specialist and contractor(s).

140 - Furnished property

The NFF will coordinate with the selected contractor and the GMUG NFs Point of Contact to provide relevant project information for the corresponding survey work, including but not limited to GIS shapefiles of the general project areas, scheduling a pre-work conference after the contract is awarded, and site walk-throughs as requested.

150 – Property furnished by the Contractor

The contractor will furnish all other supplies and equipment needed to accomplish the fieldwork and site form documentation according to the specifications of this contract. This includes GPS equipment, computer programs, compasses, and cameras. In addition to the previous items, the Contractor will also be required to provide 12" sections of rebar post, metal tags, and flagging to mark identified site datum points.

160 – Contractor Qualifications

The **Principal Investigator** for the project(s) must hold a valid R2 Forest Service Cultural Resource Use Permit for the GMUG National Forests and meet the Secretary of Interior Standards (SOI).

The **Crew Chief** of each survey crew must have the following minimum qualifications:

- A graduate degree in anthropology, specializing in archaeology, or equivalent archaeological experience.
- Must be listed as a crew chief on the Principal Investigator's valid FS Cultural Resource Special Use Permit.
- At least 16 months of professional experience and/or specialized training in archaeological fieldwork, artifact analysis, and administration.
- At least 6 months experience in archaeological survey or excavation within the southwestern region of Colorado.
- Demonstrated competence in collecting, handling, analyzing, evaluating, and reporting archaeological data.
- Demonstrated ability to plan, equip, staff, organize, and supervise a cultural resources survey.
- The demonstrated ability to accurately plot archaeological site locations on topographic maps and to map sites using GPS.
- Demonstrated competence in identifying and describing artifacts including identification of prehistoric ceramics found within southwestern Colorado, using published type descriptions.

Each **crew member** must have the following minimum qualifications:

- At least 18 semester hours of credit in archaeology, anthropology, and/or history courses. Courses must include information on the conduct and theory of archaeological survey and excavation.
- At least 3 months field experience in archaeological survey. Crew members must work under the direct field supervision of a certified crew leader or project supervisor.

All individuals proposed to work as principal investigators, project directors, or in other supervisory capacities must notify the GMUG NFs Point of Contact and discuss any special conditions that may apply to this project before beginning fieldwork. Any issues or concerns encountered during fieldwork or in the production of the report, site forms, and GIS data that would result in a delay or unusual circumstances must be brought to the attention of the GMUG NFs Point of Contact prior to the completion of the project.

DIVISION 200 - TECHNICAL SPECIFICATIONS

210 - Survey techniques

The contractor shall commence work by coordinating with the GMUG NFs Point of Contact to schedule an appointment to conduct a record search at the Ouray Ranger District. Fieldwork must be completed by July 31, 2024, and specific Bid Option deadlines will be negotiated depending on the scope and scale of accepted bid items for that respective calendar year. The following fieldwork restrictions for snow cover apply: all survey areas must be 90% snow-free and reasonably dry. Provisions for extension on fieldwork dates can be made for unusual or prolonged weather or field conditions.

The project areas can be accessed by vehicle and then by foot. Field personnel will be required to keep all motorized vehicles on existing roads. Limits of the survey areas are not marked in the field. Overall, survey areas will require accurate location, orientation, and assessment of field conditions before inventory.

As a minimum, the Contractor shall perform the following:

1. Before conducting fieldwork, the contractor will conduct and prepare a Class I Literature Review of the previous survey and site documentation files within the proposed project area at the Ouray Ranger District Heritage, CHS-OAHP, Government Land Office plats, and all other pertinent files or records available.
2. Prepare a Field Work Authorization (FWA) that details the proposed area for survey, methodology, transect spacing, conditions that must be met for survey, and the level of survey required.
3. Conduct Class II & III pedestrian survey of the project area. The maximum transect width between each surveyor will not exceed 30 meters (98 ft) when conducting Class III surveys. Spacing may be increased as needed by slope, vegetation, and ground cover on some steeper units for Class II surveys. The areas proposed for Class II surveys must be coordinated prior to the commencement of fieldwork. Map and compass or GPS shall be used to ensure systematic, even coverage of the survey areas. A GPS shapefile of the transect tracks will be submitted to the GMUG NFs Point of Contact with the Preliminary Findings Report.
4. Each crew must be directly supervised by a crew leader who meets SOI requirements for crew leader.

Sites: For the purposes of this contract, a cultural resources site is defined as a locus of prehistoric or pre-1975 historic human activity at a level of intensity normally involving evidence of purposeful behavior beyond the level of one or a few (less than 25) accidentally deposited artifacts. Minimal site identification criteria include at least one of the following:

- (a) One or more features,
- (b) one formal tool if associated with other cultural materials or more than one formal tool,
- (c) an occurrence of three or more types of artifacts or materials,
- (d) two types of artifacts or materials in a density of at least ten items per 100 square meters,
- (e) a single type of artifact or material in a density of at least 25 artifacts in a definable area,
- (f) culturally modified or scarred trees (typically Ponderosa pine) are considered to be eligible sites on the GMUG NFs.

Isolated Finds/Features: Occurrences of artifacts at less than the above shall be classified as "Isolated Finds" (IF), including "Scatters" (less than 25 artifacts) or "Isolated Artifacts" (an occurrence of a single item). Isolated occurrence descriptions will, include at least one location (overview) photograph, one photograph of the item(s) encounter and be evaluated on a Colorado OAHF Isolated Find Form. The isolate will receive a Smithsonian trinomial number. However, a "pot bust" is considered to be a scatter, even if it contains more than 25 sherds. A "Feature" is a construction that due to its recent nature or lack of association is not designated as a site. Examples would be an isolated trash dump, abandoned road, non-historic fence line, or a recent campfire ring. Such features may or may not be recommended for protection from project activities.

Exclusions: Certain constructions (modern fence lines, recreational and hunter camps, and modern campfire rings, logging roads, skid trails, modern isolated trash dumps, and modern abandoned roads) may be excluded as sites due to their recent nature, lack of association, and minimal scientific importance.

Additional Documentation Provisions

1. Each site and isolated occurrence discovered shall be plotted with a GPS unit and transferred to 1:24,000 scale U.S.G.S. topographic maps, and identified with its Smithsonian number and with a Forest Service site number. Original copies of the maps with isolated finds and sites will be provided by the contractor to enable the GMUG NFs Point of Contact to inspect the results of the survey. A flash drive containing the shapefiles for the GPS locations, using the Forest Service attribute fields, will also be provided by the contractor. All file names will be compatible for the Colorado MoveIt system of file transfers.

All locational information will be provided as GIS shapefiles and on a hard copy of the USGS topo map to the Forest Service with the draft site forms.

GPS locations are required at site datum points. The site boundaries of sites are greater than 0.1 acre in size will also be recorded with a GPS unit.

All GPS data gathered will meet the following accuracy standards:

- GPS Standard: NAD83, reported in UTM coordinates
- Locational point/polygon accuracy of 3 meters or less
- Submission of GPS data in two formats: hard copy on 1:24000 USGS topo maps and shapefiles (or feature classes) in a projected coordinate system compatible with ArcPro on flash drive
- Attribute data will include Smithsonian numbers and meet OAHP standards

Sites will be marked in the field with a 12" section of rebar post with their Smithsonian site number on an aluminum tag flush with the modern ground surface at the datum point. Due to the timing of project implementation site flagging may be required. In cases where site flagging is required, sites determined to be eligible (or potentially eligible) for the NRHP will be flagged for avoidance during recordation using a color specified by the GMUG NFs Point of Contact. Flagging should be placed on the exterior of the site boundary (to allow equipment operators to see and anticipate the site) and at sufficient intervals to allow visibility from one flag to another. If a protective buffer around the site (instead of the site boundary) is to be flagged, the GMUG NFs Point of Contact will specify this.

Isolated finds and ineligible (including non-supporting linear sites or non-contributing) sites need not be flagged; however, eligibility recommendations require agency concurrence.

2. At least two site overviews (digital photographs) will be taken from different bearings, for each site. Photographs should show identifying site characteristics and important landmarks for relocating the site. Photographs will be included with the OAHP site forms and will include provenience information. Photographs may be embedded in the report but a flash drive with all digital photography and a complete photo log will be provided to the GMUG NFs Point of Contact.
3. Each newly discovered site shall be recorded on the appropriate standard Colorado Office of Archaeology and Historic Preservation (OAHP) forms. Information contained on the site form is to be consistent with the instructions as listed on the (OAHP) website. Location and access information will also be detailed in writing for each site on the site form.
4. Sites and Isolated finds shall be plotted, described, and designated by a Smithsonian site number.
5. Previously recorded unevaluated sites within the survey areas will be relocated and re-evaluated on official Office of Archaeology and Historic Preservation Re-evaluation Forms with maps and photographs. **If the existing site forms for these sites are older than 10 years, the sites must be re-recorded on current site forms that include all applicable forms.**

6. ***Need data and unevaluated sites, both previously recorded and newly discovered, within the project areas will have limited testing (shovel or trowel) to determine site eligibility.*** All sites will be evaluated as being eligible or not eligible. No sites will be evaluated as needing data or unevaluated. Testing will consist of a minimum of auger testing and one 1m x 1m. excavation square. If the site size exceeds 1 acre additional excavation squares may be necessary.
7. Historic trails will be documented as such on official Office of Archaeology and Historic Preservation Site Forms. Associated features such as sheepherder arborglyphs along a stock driveway will be recorded as sub-features of the historic trail if appropriate.
8. Draft maps and shapefiles of the site locations will be provided to the appropriate GMUG NFs Point of Contact within 30 days of completing fieldwork.
9. The contractor shall cease work upon discovering any human remains and associated funerary objects and shall immediately notify the authorized officer and the GMUG NFs Point of Contact. Work in the vicinity of the discovery may not resume until the authorized officer has given permission.

211 – Artifact Collection and Analysis

As a minimum the contractor shall perform the following:

1. The contractor shall not collect any artifacts, except for items such as Paleoindian projectile points and prehistoric pottery, these are exceptional artifacts that are at risk and cannot be reasonably protected in the field. These exceptional artifacts may also include exposed fragile perishable materials at risk of being destroyed or extremely significant diagnostics artifacts that are in immediate danger of being looted. All other analysis shall be done in the field.
2. Ceramic Analyses: In field analysis of ceramic materials will be done using standard regional published typologies in order to assign cultural affiliation and occupation dates, unless such artifacts are at risk as described in Number 1 above.
3. All collected items will be turned over to the GMUG NFs Point of Contact for the GMUG National Forests and will be labeled and packaged according to the curation standards for the Museum of Western Colorado.
4. Lithic Analysis: The Contractor should expect to encounter artifacts manufactured from sandstone, quartzite, rhyolite, basalt, obsidian, chert, petrified wood, chalcedony, and other siliceous and igneous materials. The Contractor shall explain the typology used in classifying the lithic artifacts in the final report. Lithic materials may consist of both ground and chipped stone varieties, and should, at a minimum, be assigned to functional and material categories. For example, manos should be identified by material and whether they are "one-hand" or "two-hand" in size and whether they are unifacially or bifacially worked.

220 - Survey report

At a minimum, survey reports shall follow OAHP guidelines. The report shall include a Forest Service project number, a OAHP number, a project map with site locations plotted, a map with known previously documented sites and surveys, a separate project map with the locations of isolated finds plotted, both on 1:24,000 scale USGS topographic quadrangles.

All typing and illustrations used in the report must be of suitable quality to provide a clear, legible copy when used on a duplicating (xerox) machine—even when black and white copies are produced.

The Smithsonian site number will be the primary site reference number used in the report. The report will include a table of the cultural sites (both previously recorded and newly discovered). The table will also include Smithsonian number, site type, cultural affiliation, dates, eligibility recommendation, and management recommendations.

221- Transmittal of report

Within one week of completion of the fieldwork one copy of the fieldwork summary will be submitted to the GMUG NFs Point of Contact . This Preliminary Findings Report will include:

- CHS-OAHP and FS report numbers;
- the number of sites documented;
- the field assessment of their conditions and eligibility; and
- draft maps and shapefiles of the site locations and transects

One copy of the draft survey report, photographs, forms, maps, etc. shall be submitted to the GMUG NFs Point of Contact within 30-days of completion of fieldwork. Upon submission of draft survey documents the GMUG NFs Point of Contact will have 30-days to inspect and provide comments on the draft survey documents to the contractor for finalization. The contractor will make changes and submit the final survey reports and all project records five (5) days prior to the contract completion date of October 31, 2024. One hard copy of the final survey report will be submitted, along with all associated maps, photos, and site forms, and other documents, and one digital copy of the report, forms, and shapefiles will be provided on a flash drive.

222- Future use of survey data

All field notes, maps, electronic data, photographs or digital images, negatives and artifacts collected or generated from this procurement shall be the property of the United States and will be submitted to the USFS COR with the final inventory report at the conclusion of the project.

During the course of the project, reasonable precautions will be taken to avoid the disclosure of site locations to all unauthorized personnel.

Division 300 - Inspection and Acceptance

Field research, artifact analysis (in the field only), and report are to meet professional archaeological standards outlined in the Colorado Office of Archaeology and Historic Preservation Guidelines as determined through review by the GMUG NFs Point of Contact.

Reports must contain the information mentioned above and must be written in a style that is clear, concise, and, most importantly, well-organized and easy to use. Poor writing, organization, production, insufficient information, and so forth are grounds for rejection of the report. Legal descriptions in the report must agree with those shown on maps and figures.

All inventory locations, sites, scatters, isolated artifacts, and features mentioned in the report must be shown on the report and/or site maps and vice versa. All diagnostic artifacts, artifact concentrations, and features must appear on the sketch maps and be discussed with the text of the forms.

Appropriate knowledge of the prehistory and history of the Forest must be demonstrated by use of correct terminology, dating, citation of classic standards as well as the most recent publications pertinent to the cultural resources of the Forest.

Additional standards and requirements may be established at the time the contract is awarded and will be discussed by NFF and the GMUG NFs Point of Contact and the Contractor at the time the contract is issued.

Division 400 – Payment

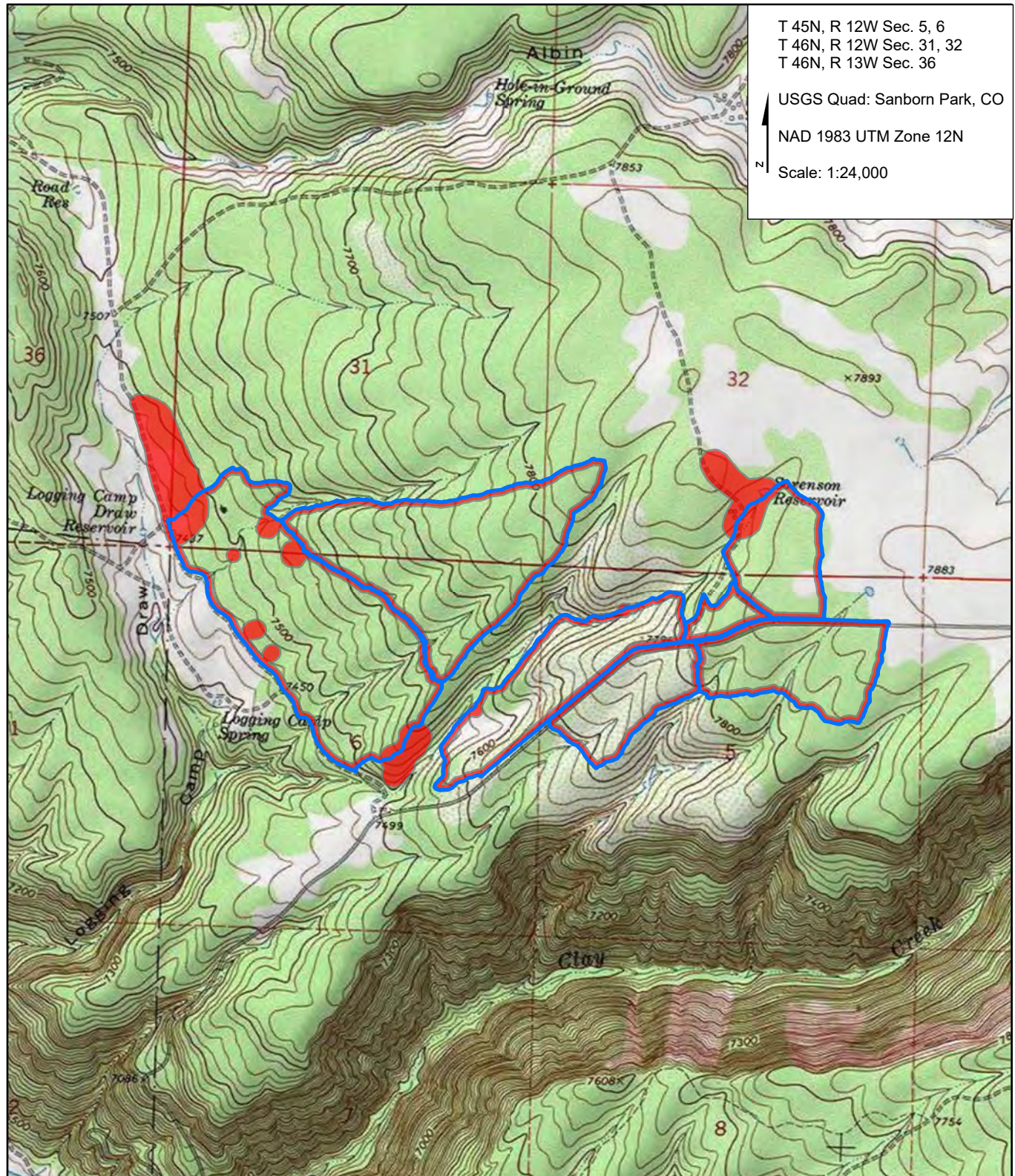
Thirty percent of the contract will be paid upon completion of the field work.

Thirty percent will be paid once the draft report and site forms are submitted for review.

The final forty percent will be paid upon successful completion of Section 106 concurrence with CO SHPO (The GMUG NFs Point of Contact is responsible for submission to CHS-OAHP).

Sanborn Fuels Prescribed Fire Heritage Survey

GMUG National Forest - Norwood Ranger District



T 45N, R 12W Sec. 5, 6
T 46N, R 12W Sec. 31, 32
T 46N, R 13W Sec. 36

USGS Quad: Sanborn Park, CO

NAD 1983 UTM Zone 12N

Scale: 1:24,000

0 250 500 1,000 Meters

0 0.13 0.25 0.5 Miles

Sanborn Fuels Units
Sanborn Class III Survey Area

The USDA uses the most current and complete data available. GIS data and product accuracy may vary. Using GIS products for any other purpose other than those for which they were intended may yield inaccurate or misleading results. The USDA Forest Service reserves the right to correct, update, modify, or replace GIS products without notification.

Sanborn Fuels Survey Project
CULTURAL RESOURCES CONTRACT SPECIFICATIONS

DIVISION 100 - GENERAL SPECIFICATIONS

110 - Scope of Contract

The Grand Mesa, Uncompahgre and Gunnison National Forest (GMUG NFs) intend to implement fuel reduction and prescribed fire projects on the Ouray Ranger District.

The project area(s) are located in Montrose County, Colorado.

Standards for the survey are specified in Division 200.

Cultural survey(s) of the proposed project areas are required before this work can begin. The contractor shall design and perform a Class III pedestrian archaeological inventory of proposed project areas and reevaluate previously recorded sites. These sites are both prehistoric and historic sites.

Areas to be surveyed will be informed by the GMUG NFs probability model that rates areas from very high to low probability based on several aspects (e.g., slope, distance to water). In addition, the Compass records (CHS-OAHP) online database system, as well as Land Records (e.g., GLO, MTP) for historical records will also be reviewed and incorporated into survey design and cultural resource reports. General maps of project locations are attached. Detailed (topo) maps, site location maps, and site/IF forms for previously recorded resources are available for inspection by appointment at either the Norwood Ranger District Office located 1150 Forest, Norwood, CO 81423 or the Ouray Ranger District Office located at 2505 S Townsend Ave, Montrose, CO 81401. Please confirm with the GMUG NFs Point of Contact regarding which office to visit. These will also be reviewed by the selected contractor at the pre-work meeting and/or as part of their Class I literature review.

The selected Contractor shall provide the qualified personnel, transportation, supplies, equipment and facilities to complete the following:

- Conduct intensive and broad level (Class III) pedestrian field inventory of the specified areas of potential effect. Surveys will be in the following bid options:

Bid Option: **Sandborn Fuels:** approximately 156 acres, 10 known re-evaluations.

- For all items (i.e., potential Bid Options) the selected Contractor will be required to produce a Class I Literature Review and Field Work Authorization (FWA) detailing the known resources and previous work in the area along with the proposed areas/methods for survey prior to commencement of fieldwork.
- Produce a Preliminary Findings Report with GIS information within one week of completion of the fieldwork for each specific Bid Option.
- Request CHS-OAHP report and site numbers directly from SHPO, request FS Numbers from the GMUG NFs Point of Contact .
- Produce a draft Cultural Resource Inventory Report for the inventory that meets CHS-OAHP and Forest Service guidelines within 30-days of completion of fieldwork.

- Produce draft Colorado CHS-OAHP site and isolated forms in accordance with CHS-OAHP and Forest Service guidelines including management recommendations concerning the proposed action near or within the sites.
- Produce a Final Cultural Resource Inventory Report wherein all forms, written and maps products, and GIS data meet CHS-OAHP and Forest Service requirements for submittal.
- As a condition of final approval and invoicing attain official concurrence on the Area of Potential Effect (APE), Determination of Eligibility (DOE), Finding of Effect (FOE) and management recommendations.

120 - Work submittal

The contract period is based on weather conditions, access, and ground visibility (i.e., remaining snow load) within the project area. The area must be 90% snow free and reasonably dry prior to commencement of fieldwork. Refer to Sections 220 and 221 for additional information on reporting requirements.

130 - Description and location

Project Description: The Sandborn Fuels Prescribed Burn Project is an inventory of areas within prescribed burn units on public lands managed by the Norwood Ranger District (NRD) of the GMUG NF. The project area is within Montrose County. (see attached map). The legal description is:

Table1: Legal Locations – Cow Creek Rx Project Area						
6th Principal Meridian						
Township	Range	Sections		Township	Range	Sections
T46N	R13W	13, 24, 36				
T46N	R12W	18-20, 27, 29-35				
T45N	R12W	4-7				
USGS 7.5' Quad Sheets – Colorado				USGS 7.5' Quad Sheets – Colorado		
Sanborn Park						

The Area of Potential Effect (APE) for this project consists of approximately 553 acres of proposed vegetation management in Montrose County, Colorado. The GMUG NFs proposes to treat seven (7) Sanborn units with broadcast burning and pre-treatment of units. Activities associated with the proposed action include broadcast burning across the units and pre-treatment using a masticator along burn boundaries and maintenance of control lines using mastication, hand line, plow line, dozer line, removing fallen trees, and removal of some fuels along roads.

The GMUG NFs Point of Contact reserve the right to modify areas to be surveyed by the Contractor. In the event that such survey changes are necessary, adjustments will be mutually agreed to by the GMUG NF Forest Heritage Specialist and contractor(s).

140 – Furnished property

The NFF will coordinate with the selected contractor and the GMUG NFs Point of Contact to provide relevant project information for the corresponding survey work, including but not limited to GIS shapefiles of the general project areas, scheduling a pre-work conference after the contract is awarded, and site walk-throughs as requested.

150 – Property furnished by the Contractor

The contractor will furnish all other supplies and equipment needed to accomplish the fieldwork and site form documentation according to the specifications of this contract. This includes GPS equipment, computer programs, compasses, and cameras. In addition to the previous items, Contractor will also be required to provide 12" sections of rebar post, metal tags, and flagging to mark identified site datum points.

160 – Contractor Qualifications

The **Principal Investigator** for the project(s) must hold a valid R2 Forest Service Cultural Resource Use Permit for the GMUG National Forests and meet Secretary of Interior Standards (SOI).

The **Crew Chief** of each survey crew must have the following minimum qualifications:

- A graduate degree in anthropology, specializing in archaeology, or equivalent archaeological experience.
- Must be listed as a crew chief on the Principal Investigator's valid FS Cultural Resource Special Use Permit.
- At least 16 months of professional experience and/or specialized training in archaeological field work, artifact analysis, and administration.
- At least 6 months experience in archaeological survey or excavation within the southwestern region of Colorado.
- Demonstrated competence in collecting, handling, analyzing, evaluating, and reporting archaeological data.
- Demonstrated ability to plan, equip, staff, organize, and supervise a cultural resources survey.
- The demonstrated ability to accurately plot archaeological site locations on topographic maps and to map sites using GPS.
- Demonstrated competence in identifying and describing artifacts including identification of prehistoric ceramics found within southwestern Colorado, using published type descriptions.

Each **crew member** must have the following minimum qualifications:

- At least 18 semester hours of credit in archaeology, anthropology, and/or history courses. Courses must include information on the conduct and theory of archaeological survey and excavation.
- At least 3 months field experience in archaeological survey. Crew members must work under the direct field supervision of a certified crew leader or project supervisor.

All individuals proposed to work as principal investigators, project directors, or in other supervisory capacities must notify the NFF and the GMUG NFs Point of Contact and discuss any special conditions that may apply to this project before beginning fieldwork. Any issues or concerns encountered during fieldwork or in the production of the report, site forms, and GIS data that would result in a delay or unusual circumstances must be brought to the attention of the NFF and the GMUG NFs Point of Contact prior to the completion of the project.

DIVISION 200 - TECHNICAL SPECIFICATIONS

210 - Survey techniques

The contractor shall commence work by coordinating with the GMUG NFs Point of Contact to schedule an appointment to conduct a record search at either the Norwood Ranger District or the Ouray Ranger District. The contractor will confirm with GMUG NFs Point of Contact to which District Office they will be conducting the record search. Fieldwork must be completed by July 31, 2024, and specific Bid Option deadlines will be negotiated depending on the scope and scale of accepted bid items for that respective calendar year. The following fieldwork restrictions for snow cover apply: all survey areas must be 90% snow-free and reasonably dry. Provisions for extension on fieldwork dates can be made for unusual or prolonged weather or field conditions.

The project areas can be accessed by vehicle and then by foot. Field personnel will be required to keep all motorized vehicles on existing roads. Limits of the survey areas are not marked in the field. Overall, survey areas will require accurate location, orientation, and assessment of field conditions before inventory.

As a minimum, the Contractor shall perform the following:

1. Prior to conducting fieldwork, the contractor will conduct and prepare a Class I Literature Review of the all-previous survey and site documentation within the proposed project area at the Norwood or Ouray Ranger District Heritage files, CHS-OAHP, Government Land Office plats, and all other pertinent files or records available.
2. Prepare a Field Work Authorization (FWA) that details the proposed area for survey, methodology, transect spacing, conditions that must be met for survey, and the level of survey required.
3. Conduct Class II & III pedestrian survey of the project area. The maximum transect width between each surveyor will not exceed 30 meters (98 ft) when conducting Class III surveys.

Spacing may be increased as needed by slope, vegetation, and ground cover on some steeper units for Class II surveys. The areas proposed for Class II surveys must be coordinated prior to the commencement of fieldwork. Map and compass or GPS shall be used to ensure systematic, even coverage of the survey areas. A GPS shapefile of the transect tracks will be submitted to the GMUG NFs Point of Contact with the Preliminary Findings Report.

4. Each crew must be directly supervised by a crew leader who meets SOI requirements for crew leader.

Sites: For the purposes of this contract, a cultural resources site is defined as a locus of prehistoric or pre-1975 historic human activity at a level of intensity normally involving evidence of purposeful behavior beyond the level of one or a few (less than 25) accidentally deposited artifacts. Minimal site identification criteria include at least one of the following:

- (a) One or more features,
- (b) one formal tool if associated with other cultural materials or more than one formal tool,
- (c) an occurrence of three or more types of artifacts or materials,
- (d) two types of artifacts or materials in a density of at least ten items per 100 square meters,
- (e) a single type of artifact or material in a density of at least 25 artifacts in a definable area,
- (f) culturally modified or scarred trees (typically Ponderosa pine) are considered to be eligible sites on the GMUG NFs.

Isolated Finds/Features: Occurrences of artifacts at less than the above shall be classified as "Isolated Finds" (IF), including "Scatters" (less than 25 artifacts) or "Isolated Artifacts" (an occurrence of a single item). Isolated occurrence descriptions will include at least one location (overview) photograph, one photograph of the item(s) encounter and be evaluated on a Colorado OAHF Isolated Find Form. The isolate will receive a Smithsonian trinomial number. However, a "pot bust" is considered to be a scatter, even if it contains more than 25 sherds. A "Feature" is a construction that due to its recent nature or lack of association is not designated as a site. Examples would be an isolated trash dump, an abandoned road, a non-historic fence line, or a recent campfire ring. Such features may or may not be recommended for protection from project activities.

Exclusions: Certain constructions (modern fence lines, recreational and hunter camps, modern campfire rings, logging roads, skid trails, modern isolated trash dumps, and modern abandoned roads) may be excluded as sites due to their recent nature, lack of association, and minimal scientific importance.

Additional Documentation Provisions

1. Each site and isolated occurrence discovered shall be plotted with a GPS unit and transferred to 1:24,000 scale U.S.G.S. topographic maps, and identified with its Smithsonian number and with a Forest Service site number. Original copies of the maps

with isolated finds and sites will be provided by the contractor to enable the GMUG NFs Point of Contact to inspect the results of the survey. A flash drive containing the shapefiles for the GPS locations, using the Forest Service attribute fields, will also be provided by the contractor. All file names will be compatible for the Colorado MoveIt system of file transfers.

All locational information will be provided as GIS shapefiles and on a hard copy of the USGS topo map to the Forest Service with the draft site forms.

GPS locations are required at site datum points. The site boundaries of sites are greater than 0.1 acre in size will also be recorded with a GPS unit.

All GPS data gathered will meet the following accuracy standards:

- GPS Standard: NAD83, reported in UTM coordinates
- Locational point/polygon accuracy of 3 meters or less
- Submission of GPS data in two formats: hard copy on 1:24000 USGS topo maps and shapefiles (or feature classes) in a projected coordinate system compatible with ArcPro on flash drive
- Attribute data will include Smithsonian numbers and meet OAHP standards

Sites will be marked in the field with a 12" section of rebar post with their Smithsonian site number on an aluminum tag flush with the modern ground surface at the datum point. Due to the timing of project implementation site flagging may be required. In cases where site flagging is required, sites determined to be eligible (or potentially eligible) for the NRHP will be flagged for avoidance during recordation using a color specified by the GMUG NFs Point of Contact. Flagging should be placed on the exterior of the site boundary (to allow equipment operators to see and anticipate the site) and at sufficient intervals to allow visibility from one flag to another. If a protective buffer around the site (instead of the site boundary) is to be flagged, the GMUG NFs Point of Contact will specify this.

Isolated finds and ineligible (including non-supporting linear sites or non-contributing) sites need not be flagged; however, eligibility recommendations require agency concurrence.

2. At least two site overviews (digital photographs) will be taken from different bearings, for each site. Photographs should show identifying site characteristics and important landmarks for relocating the site. Photographs will be included with the OAHP site forms and will include provenience information. Photographs may be embedded in the report but a flash drive with all digital photography and a complete photo log will be provided to the GMUG NFs Point of Contact.
3. Each newly discovered site shall be recorded on the appropriate standard Colorado Office of Archaeology and Historic Preservation (OAHP) forms. Information contained on the site form is to be consistent with the instructions as listed on the (OAHP) website. Location and access information will also be detailed in writing for each site on the site form.
4. Sites and Isolated finds shall be plotted, described, and designated by a Smithsonian site number.

5. Previously recorded unevaluated sites within the survey areas will be relocated and re-evaluated on official Office of Archaeology and Historic Preservation Re-evaluation Forms with maps and photographs. ***If the existing site forms for these sites are older than 10 years, the sites must be re-recorded on current site forms that includes all applicable forms.***
6. ***Need data and unevaluated sites, both previously recorded and newly discovered, within the project areas will have limited testing (shovel or trowel) to determine site eligibility.*** All sites will be evaluated as being eligible or not eligible. No sites will be evaluated as need data or unevaluated. Testing will consist of a minimum of auger testing and one 1m x 1m. excavation square. If the site size exceeds 1 acre additional excavation squares may be necessary.
7. Historic trails will be documented as such on official Office of Archaeology and Historic Preservation Site Forms. Associated features such as sheepherder arborglyphs along a stock driveway will be recorded as sub-features of the historic trail if appropriate.
8. Draft maps and shapefiles of the site locations will be provided to the appropriate GMUG NFs Point of Contact within 30 days of completing fieldwork.
9. The contractor shall cease work upon discovering any human remains and associated funerary objects and shall immediately notify the authorized officer and the GMUG NFs Point of Contact. Work in the vicinity of the discovery may not resume until the authorized officer has given permission.

211 – Artifact Collection and Analysis

As a minimum the contractor shall perform the following:

1. The contractor shall not collect any artifacts, except for items such as Paleoindian projectile points and prehistoric pottery, these are exceptional artifacts that are at risk and cannot be reasonably protected in the field. These exceptional artifacts may also include exposed fragile perishable materials at risk of being destroyed or extremely significant diagnostics artifacts that are in immediate danger of being looted. All other analysis shall be done in the field.
2. Ceramic Analyses: In field analysis of ceramic materials will be done using standard regional published typologies in order to assign cultural affiliation and occupation dates, unless such artifacts are at risk as described in Number 1 above.
3. All collected items will be turned over to the GMUG NFs Point of Contact for the GMUG National Forests and will be labeled and packaged according to the curation standards for the Museum of Western Colorado.
4. Lithic Analysis: The Contractor should expect to encounter artifacts manufactured from sandstone, quartzite, rhyolite, basalt, obsidian, chert, petrified wood, chalcedony, and other siliceous and igneous materials. The Contractor shall explain the typology used in

classifying the lithic artifacts in the final report. Lithic materials may consist of both ground and chipped stone varieties, and should, at a minimum, be assigned to functional and material categories. For example, manos should be identified by material and whether they are "one-hand" or "two-hand" in size and whether they are unifacially or bifacially worked.

220 - Survey report

At a minimum, survey reports shall follow OAHP guidelines. The report shall include a Forest Service project number, a OAHP number, a project map with site locations plotted, a map with known previously documented sites and surveys, a separate project map with the locations of isolated finds plotted, both on 1:24,000 scale USGS topographic quadrangles.

All typing and illustrations used in the report must be of suitable quality to provide a clear, legible copy when used on a duplicating (xerox) machine—even when black and white copies are produced.

The Smithsonian site number will be the primary site reference number used in the report. The report will include a table of the cultural sites (both previously recorded and newly discovered). The table will also include the Smithsonian number, site type, cultural affiliation, dates, eligibility recommendation, and management recommendations.

221- Transmittal of report

Within one week of completion of the fieldwork one copy of the fieldwork summary will be submitted to the GMUG NFs Point of Contact. This Preliminary Findings Report will include:

- CHS-OAHP and FS report numbers;
- the number of sites documented;
- the field assessment of their conditions and eligibility; and
- draft maps and shapefiles of the site locations and transects

One copy of the draft survey report, photographs, forms, maps, etc. shall be submitted to the GMUG NFs Point of Contact within 30-days of completion of fieldwork. Upon submission of draft survey documents the GMUG NFs Point of Contact will have 30-days to inspect and provide comments on the draft survey documents to the contractor for finalization. The contractor will make changes and submit the final survey reports and all project records five (5) days prior to the contract completion date of October 31, 2024. One hard copy of the final survey report will be submitted, along with all associated maps, photos, and site forms, and other documents, and one digital copy of the report, forms, and shapefiles will be provided on a flash drive.

222- Future use of survey data

All field notes, maps, electronic data, photographs or digital images, negatives, and artifacts collected or generated from this procurement shall be the property of the United States and will be submitted to the USFS COR with the final inventory report after the project.

During the project, reasonable precautions will be taken to avoid the disclosure of site locations to all unauthorized personnel.

Division 300 - Inspection and Acceptance

Field research, artifact analysis (in field only), and report are to meet professional archaeological standards set forth in the Colorado Office of Archaeology and Historic Preservation Guidelines as determined through review by the GMUG NFs Point of Contact .

Reports must contain the information mentioned above and must be written in a style that is clear, concise, and, most importantly, well organized and easy to use. Poor writing, organization, production, insufficient information, and so forth are grounds for rejection of the report. Legal descriptions in the report must agree with those shown on maps and figures.

All inventory locations, sites, scatters, isolated artifacts and features mentioned in the report must be shown on the report and/or site maps and vice versa. All diagnostic artifacts, artifact concentrations, and features must appear on the sketch maps and be discussed with the text of the forms.

Appropriate knowledge of the prehistory and history of the Forest must be demonstrated by use of correct terminology, dating, citation of classic standards as well as the most recent publications pertinent to the cultural resources of the Forest.

Additional standards and requirements may be established at the time the contract is awarded and will be discussed by NFF and the GMUG NFs Point of Contact and the Contractor at the time the contract is issued.

Division 400 - Payment

Thirty percent of the contract will be paid upon completion of the fieldwork.

Thirty percent will be paid once the draft report and site forms are submitted for review.

The final forty percent will be paid upon successful completion of Section 106 concurrence with CO SHPO (GMUG NFs Point of Contact is responsible for submission to CHS-OAHP).