

**Request for Proposals**  
**Mount Disappointment Fuels Reduction Project**  
**Angeles National Forest, CA**

**Background and Statement of Work:** The Mt. Disappointment Fuels Reduction Project is located in the Angeles National Forest (ANF) near the Mt. Wilson Observatory. The project intends to treat 175 acres of vegetation to reduce the likelihood and severity of future wildfires in the area, thereby protecting key infrastructure and recreation access.

The project will also reduce potential damage to natural resources from wildfire, improve the vigor of conifer and oak stands, and reduce the intrusion and spread of non-native invasive plant species. The project will improve the health and vigor of the remaining vegetation by removing dead material, thinning overly dense vegetation, and removing non-native invasive species.

Fuels reduction treatments include invasive plant removal, hand/mechanical thinning, tree pruning, and chipping.

**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

Specific requirements are detailed below.

**I. PROJECT OVERVIEW AND REQUIREMENTS**

**General Specifications**

- (a) Description of Work – This Request for Proposals is for fuels reduction services related to the Mt. Disappointment Fuels Reduction Project, including the following:
1. Within 100 feet of the center line of Mt. Disappointment Road (2N52):
    - i. Thin trees 20 feet between the boles of dominate and co-dominate trees.

- ii. The order of leave tree species preference is: Big Cone Douglas fir, Coulter pine, Incense cedar, Coast Live oak, and Canyon Live oak.
- iii. No trees 18 inches in diameter or larger will be removed.
- iv. Clumps of oaks will have 20 feet between the boles of the trees and must be pruned.
- v. Prune residual trees to a height of 10 feet above the ground for trees that are 30 feet tall or greater or 1/3<sup>rd</sup> of the trees height, whichever is less.
- vi. Cut all brush underneath residual trees and within 10 feet of the drip line of the crowns. Cut brush to a height of 2 -3 inches above the ground.
- vii. Leave no more than 20% average brush canopy cover across the aggregation.
- viii. All slash, tree limbs, cut brush, and tree boles will be chipped. Any dead and down material will be chipped and/or bucked and piled into 2 to 3-foot sections.
  - ix. Any dead and downed 6' and smaller must be chipped.
  - x. Chipped material may be no greater than 3 inches in depth and no chip mounds are allowed.
  - xi. All limbs and boles that cannot be chipped will be bucked into pieces 2 - 3 feet long and retained on site as coarse woody debris and stacked 10 feet away from the boles of any tree.
  - xii. No snags will be left within 100 feet of roadsides, 3-4 snags should be left per acre unless they are a hazard to the roads.
  - xiii. All roads will be kept clear of debris.
  - xiv. Any trees thinned will be cut into 3-foot sections and piled 10 feet away from boles of trees.
  - xv. All trees 75% or more mistletoe will be removed
- 2. All Spanish Broom will be cut and chipped before the plant goes to seed and sprayed/dabbed immediately after cutting. Once the Spanish Broom has gone to seed, they must be cut, bagged, and removed from the project site. They must be sprayed/dabbed with herbicide (celutreat) immediately after cutting. Specific instructions may be provided by the forest botanist.
- 3. Riparian Conservation Areas will have a 100 foot buffer on Perennial Streams and 50 foot buffer on Intermittent Streams.
- 4. Rubber tired machines are preferred, but rubber pads may be used.
- 5. The Contractors shall complete and submit a fire plan before start of work. (See Appendix D: Fire Plan)
- 6. Refer to the project area (see Appendix A: Project Map) for precise work locations.

The Contractor shall identify what they can supply in terms of materials, labor, equipment, supplies, supervision, quality control, and incidentals required to complete the work described. The Contractor shall perform all work in a safe and conscientious manner.

(b) Project Location – Refer to the project area (see Appendix A: Project Map) for precise work locations. The project is located on the Angeles National Forest, San Gabriel Mountains National Monument. The project is in portions of T2N, R11W, Sections 29,30,32 SBM and R12W, Sections 14,23,24, PB43 SBM (See Appendix A).

- (c) Work Schedule – The project work may begin as soon as a Notice to Proceed is issued by the Forest Service. Work is expected to be completed within 182 days. The Forest Service requires the contractor to complete a test acre the first day of work along with equipment inspections.

### **Other Project Requirements and Specifications**

- (a) 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.
- (b) Specifications – Project work shall be accomplished in accordance with the following:
- The Contractor shall avoid all sensitive species within the project area, as noted by the Forest Service Botanist.
  - Avoidance and minimization measures shall be implemented to avoid the potential for significant adverse effects to sensitive environmental resources. These measures are detailed in Appendix B: Avoidance and Minimization Measures.
  - Equipment Cleaning: All equipment must be cleaned and ready for inspection on the first day of work. All equipment must be cleaned when working in a site contaminated with noxious weeds according to the specifications outlined in Appendix C: Equipment Cleaning.

### **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. Contractors 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.

## Competitive Range

The expected competitive range for bids to this solicitation is \$650,000 to \$669,000.

## II. REQUIRED COMPONENTS

### Technical Proposal

Please provide a detailed technical approach to the work.

### Contractor Qualifications

- I. Past Experience – Please provide a brief explanation of previous work experience with land management agencies.
- II. References – Please provide three professional references that can speak to past performance.

### Pricing Schedule

Contractor shall price work according to the schedule below.

	Task/Item	Units (Acres)	Unit Cost	Extended Cost
(a)	Fuel reduction includes thinning, cutting, chipping and invasive weed removal.	175		
			<b>Total Bid</b>	

## III. 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 April 30, 2024, and will prepare a separate contract document.

### Pre-bid Site Visit

The NFF and Forest Service will host an optional site visit on Tuesday, April 16, 2024. Please meet at the Red Box Picnic Area, which is located at the bottom of Mt Wilson and Highway 2 in

the large parking area (<https://maps.app.goo.gl/Tnj3czDLHZmydHPg6>). The group will travel together to the project site from there.

### **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
- Timing of when contractor can begin and/or finish the project
- Past performance,

references, and USFS feedback

#### 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.

Brian Robey  
National Forest Foundation Southern California Program Manager  
[brobey@nationalforests.org](mailto:brobey@nationalforests.org)

Responses will be shared with known interested parties by email or otherwise posted at <https://www.nationalforests.org/rfp>.

### **Bid Submission**

Submit bids via email to [brobey@nationalforests.org](mailto:brobey@nationalforests.org) by April 23, 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.



Angeles National Forest  
San Gabriel Mountains National Monument  
**Mount Disappointment  
Fuels Reduction Project Map**



Miles  
0.25

0 0.25 0.5

Scale 1:10,000 NAD 83 UTM Zone 11

Cloudburst  
Canyon

Red Box Gap

W Fork San Gabriel River

MOON WILSON RED BOX RD

Camp Hi-Hill

Mount  
Disappointment

2N53

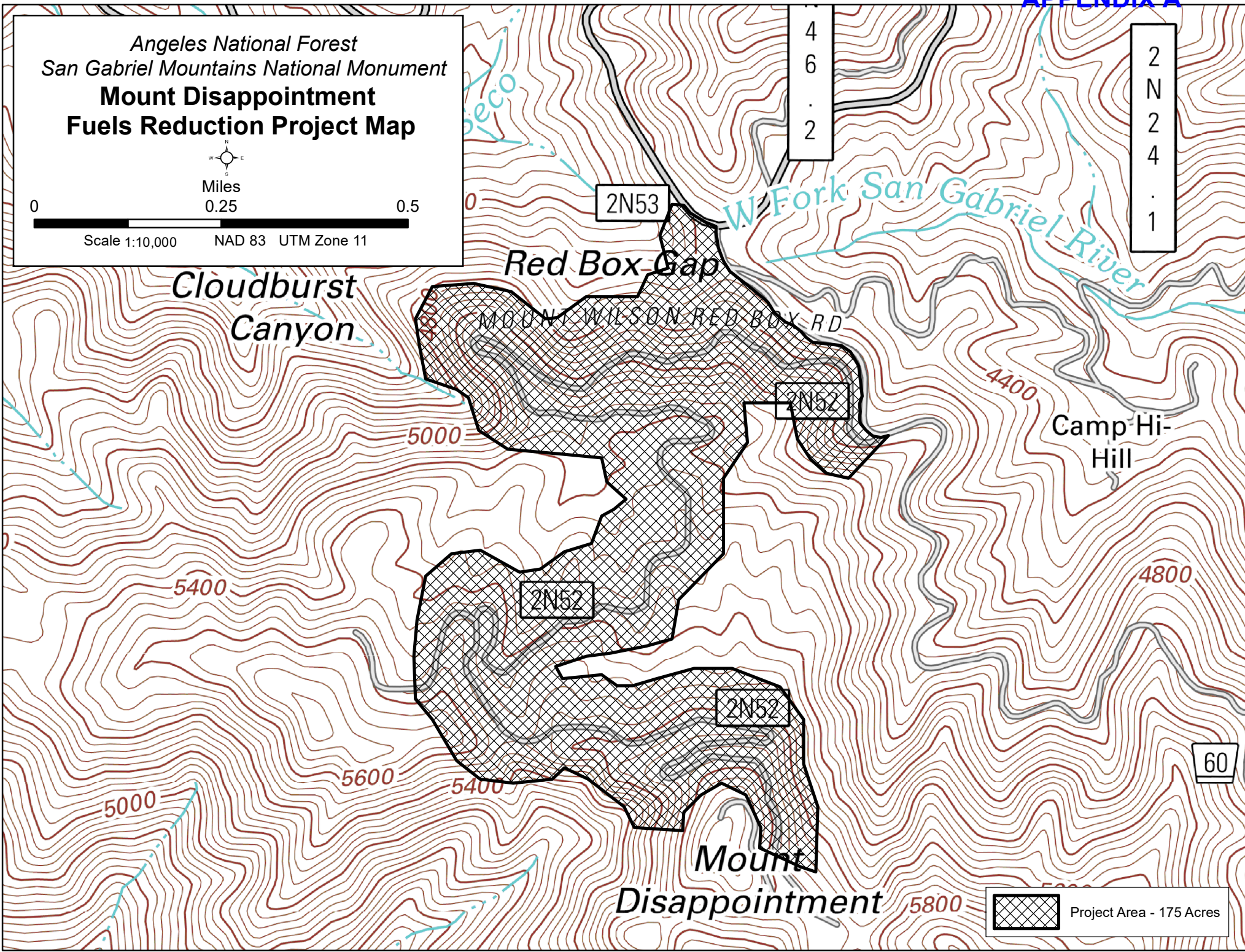
2N52

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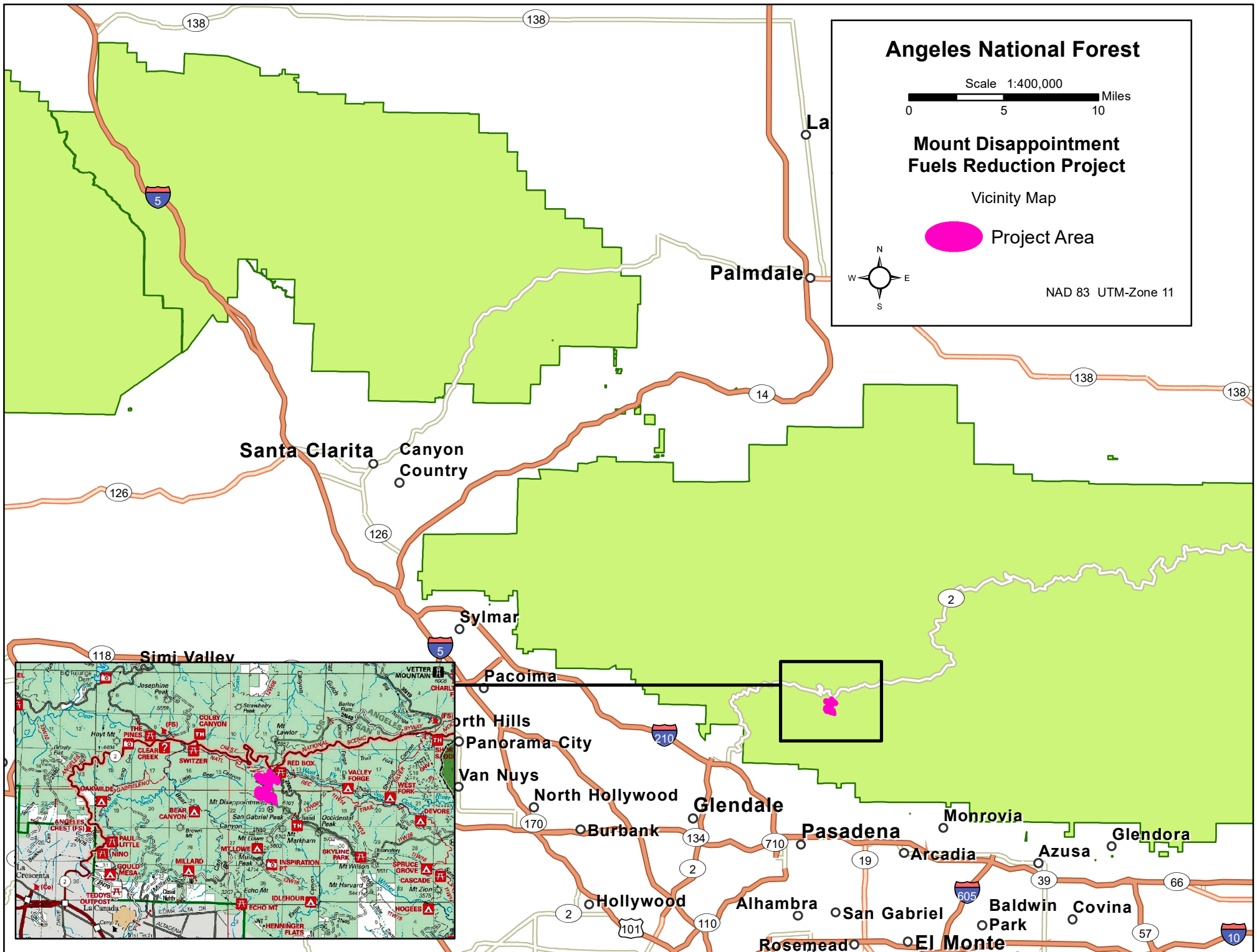
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60

 Project Area - 175 Acres









# APPENDIX B

## Avoidance and Minimization Measures

The following avoidance and minimization measures shall be implemented to avoid the potential for significant adverse effects to sensitive environmental resources. These measures are mandatory conditions of project authorization:

1. Botany
  - a. Extend protection to any newly discovered populations of Threatened, Endangered or Forest Service Sensitive plant species (after completion of the Biological Assessment/Biological Evaluation) found before or during project implementation.
  - b. Flag and avoid urn-flowered alumroot (*Heuchera elegans*), and Plummer's mariposa lily (*Calochortus plummerae*) populations with a 50-foot buffer.
  - c. Flag and avoid Forest Watch Species, oscillated Humboldt lily (*Lilium humboldtii* var. *ocellatum*), populations with a 10-foot buffer.
  - d. Surveys will be conducted in Spring/Summer 2010 in the areas affected by the Station Fire for *Lepechiniafragrans* and *Sidalcea hickmanii* ssp. *parishii*.
2. Wildlife
  - a. Presence or absence, pre-nesting surveys will be conducted in addition to nesting surveys for California spotted owls before treatment activities commence.
  - b. Project activities will not be conducted during the breeding season (February 1 to August 15th) within a quarter mile of active California spotted owl nests and critical nest stands of protected activity centers (PACs).
  - c. Ground disturbance will be limited to the minimum necessary. The area of disturbance shall be confined to the smallest practical area and all special habitat features of a sensitive species (burrows, snags, drainages, etc.) shall be avoided to the extent feasible. During project implementation, ingress/egress, staging areas, stockpiling, equipment storage, positioning of equipment and any other potential habitat disturbing activities shall be limited to areas of permanent disturbance within the project site to the extent practicable.
  - d. To the extent feasible, rock outcrops should be excluded from hand treatments and mechanical equipment.
  - e. For riparian areas, the Riparian Conservation Area (RCA) guidelines from the 2005 Forest Plan will be used. All treatments will be consistent with the FSH 2509.22- Soil and Water Conservation Practices Handbook and Best Management Practices. This will ensure that ground disturbing activities will not contribute additional sediment to any streams or lakes. Where prescribed burns are planned, no direct burning will occur in the RCA. Fire may enter those areas by "backing" downslope, burning the understory at low intensity. However, no effort will be made to apply fire directly to those areas or start a hot fire upwind that would intentionally move into the riparian buffer zones. To the extent possible, low creeping fires would be used near riparian areas, minimizing the burning/thinning of cottonwoods, alders, willows and other riparian overstory.
  - f. Construction of firebreaks within riparian habitat will be avoided except where handlines must cross riparian zones. Those short lines will be constructed and maintained with handcrews using hand tools and chainsaws. The width will be kept to a minimum and the length of handlines in riparian will also be kept to a minimum.

- g. To the extent feasible, fuel reductions implemented in riparian areas will focus on the removal of non-native vegetation to achieve fuel hazard reduction objectives.
  - h. All trash generated from this project will be collected and properly disposed of on a daily basis. Upon completion of the project, all unused material and equipment shall be removed from the site.
  - i. Trash and food shall be stored in closed containers and removed daily to reduce attractiveness to opportunistic predators such as coyotes, domestic and feral dogs and cats, opossums, skunks and raccoons. Littering of trash and food waste is prohibited.
  - j. All equipment must contain appropriate spill containment kits to respond to leaks and spills.
  - k. Prior to pile burning, recommend that piles be shifted to expose the ground area and allow wildlife to escape, e.g., salamanders, lizards, or small mammals.
3. Invasive Species:
- a. All equipment staging areas will be located away from known areas with invasive species occurrences.
  - b. Livestock will not be used as part of this project.
  - c. Protocol standards will be used in the washing of equipment to prevent the spread of noxious weeds (Appendix C). Documentation forms regarding this activity will be maintained by the project manager and forwarded to the Forest Botanist.
  - d. Use weed-free mulches, and seed sources. All activities that require seeding or planting must utilize locally collected native seed sources when possible.
  - e. All Spanish broom (*Spartiumjunceum*), periwinkle (*Vinca major*), and English ivy (*Hedera helix*) locations will be flagged and avoided with a 100-foot buffer or treated prior to implementation in the portions of the project area receiving fuels reduction treatments. This means that no persons or equipment will be allowed and treatment will not occur within the flagged area unless pretreatment occurs. These protections will be extended to any new noxious weed populations found prior to, or during project implementation. A USFS botanist will be notified no sooner than 2 weeks prior to project implementation to insure flagging is evident and in place.
  - f. Pre-project implementation treatment of Spanish broom will follow the guidelines listed as follows:
    - i. Use manual (hand pulling) and mechanical treatments (weed wrench, digging, etc.) that remove the entire root system.
    - ii. Treatment of Spanish broom will not occur while it is in fruit, and will be left on site and pile burned.
    - iii. Spanish broom will not be chipped.
    - iv. Where feasible, chipped and removed native vegetative material will be broadcast over areas where Spanish broom has been removed .
    - v. Monitoring and re-treatment will occur within 5 years post treatment.
4. Travel Management
- a. A combination of natural barriers (rocks, logs, etc.), screening, and fencing will be used to prevent/discourage illegal vehicle activity during and after the project treatment. The area will be monitored, and if/when problem areas arise, remedial

and preventative actions will be taken as appropriate. Coordination with adjacent landowners, public education, and signing would be used as appropriate.

5. Soils and Hydrology
  - a. Soil and Watershed Best Management Practices identified in the Angeles National Forest Land Management Plan will be fully applied for the duration of the project
  - b. Slash piles to be burned shall be placed at least 75 feet outside perennial stream channels, springs or standing water and 25 feet outside ephemeral drainages.
  - c. Any heavy equipment staging areas and access points will be rehabilitated and blocked after project completion. Rehabilitation would include returning the ground to natural contours, implementing decomposition and erosion control measures.
6. Riparian Conservation Areas:
  - a. Perennial Stream= 300' buffer; Intermittent Stream= 100' buffer
  - b. No mechanized equipment allowed unless prior approval is obtained from Forest Hydrologist.
  - c. No take of riparian species, i.e. willow, maple etc.
  - d. Retain or re-establish ground cover to 60-70%, consisting of litter, duff, slash, grass.
  - e. In identified Riparian Conservation Areas there will be no treatment within stream inner gorge (from channel bottom to major break in slope).
  - f. Units that have a high degree of existing soil quality impairment (as identified by hydrologist/soils specialist) will require mitigations so as not to exceed threshold standards for detrimental disturbance.
7. Heritage Resources
  - a. The Forest Heritage Resource Program Manager has determined that a sensitive area exist within the project boundary or immediately adjacent to the project area. No activities will occur in area indicated in red on the Heritage Clearance Map in the project file (site FS05015100213).
  - b. A field review of the avoidance area will be scheduled with a forest archaeologist prior to implementation to assure avoidance.
  - c. If additional heritage resources are discovered during project implementation, work is to stop in the area until the Heritage Resource Manager evaluates the resource, and determines the appropriate management action.

## APPENDIX C

### Equipment Cleaning

*FSM 2081.03 directs the Forest Service to require all equipment be cleaned when working in a site contaminated with noxious weeds. As a result of FSM 2081.03, the following will be required at all project sites:*

1. All ground disturbing equipment and machinery (except vehicles used for daily transport of personnel) will be cleaned prior to entering Forest Service land. This includes vehicle wheels, undercarriages, bumpers, chain saws, hand pruners, or any equipment other than personnel transport vehicles. All washing must take place where rinse water is collected and disposed of in either a sanitary sewer, a landfill, or other facility authorized to accept such rinse water.
2. Holder shall notify Forest Service at least 2 working days prior to moving each piece of equipment on to National Forest Land, unless otherwise agreed. Notification will include vehicle washing information. Upon request of Forest Service, arrangements will be made for Forest Service to inspect each piece of equipment prior to it being placed in service.
3. If equipment has operated in areas that the Forest Service has identified as containing invasive plant species, all equipment, and tools used at that site must also be washed AFTER work has been completed.
4. Holder shall certify in writing compliance with the terms of this provision prior to each start-up of operations.
5. If any new infestations of invasive species are identified by the permittee or Forest Service staff on the project site or access routes it shall be promptly reported to the other party.
6. A current list of invasive species of concern is attached to your permit.

*Even though it is not required, it would be ideal if transport vehicles such as cars, truck etc., were also washed regularly during the project.*

### FIRE PLAN FOR CONSTRUCTION AND SERVICE CONTRACTS

#### 1. **SCOPE:**

The provisions set forth below outline the responsibility for fire prevention and suppression activities and establish a suppression plan for fires within the contract area. The contract area is delineated by map in the contract. The provisions set forth below also specify conditions under which contract activities will be curtailed or shut down.

#### 2. **RESPONSIBILITIES:**

##### A. Contractor

- (1) Shall abide by the requirements of this Fire Plan.
- (2) Shall take all steps necessary to prevent his/her employees, subcontractors and their employees from setting fires not required in completion of the contract, shall be responsible for preventing the escape of fires set directly or indirectly as a result of contract operations, and shall extinguish all such fires which may escape.
- (3) Shall permit and assist in periodic testing and inspection of required fire equipment. Contractor shall certify compliance with specific fire precautionary measures in the fire plan, before beginning operations during Fire Precautionary Period and shall update such certification when operations change.
- (4) Shall designate in the Fire Plan and furnish on Contract Area, during operating hours, a qualified fire supervisor authorized to act on behalf of Contractor in fire prevention and suppression matters.

##### B. Forest Service

The Forest Service may conduct one or more inspections for compliance with the Fire Plan. The number, timing, and scope of such inspections will be at the discretion of agency employees responsible for contract administration. Such inspections do not relieve the Contractor of responsibility for correcting violations of the fire plan or for fire safety in general, as outlined in paragraph 2.A above.

#### 3. **DEFINITIONS:**

The following definitions shall apply:

**Active Landing:** A location the contractor may be skidding logs into, or performing other operations such as delimiting, log manufacturing, and chipping logs. Except for EV and E days, loading logs or stockpiling chips only, on a cleared landing, does not constitute an Active Landing.

**Hot Saw:** A harvesting system that employs a high-speed (>1100 rpm) rotating felling head, i.e., full rotation lateral tilt head.

**Mechanical Operations:** The process of felling, skidding, chipping, shredding, masticating, piling, log processing and/or yarding which requires the use of motorized power which includes, chainsaws, chippers, motorized carriages, masticators, stroke delimiters, skidders, dozers etc.

#### 4. **TOOLS AND EQUIPMENT:**

The Contractor shall comply with the following requirements during the fire precautionary period, as defined by unit administering contracts:

**The Fire Precautionary Period is set by the State of California which is April 1 through December 1 of any year.**



## Mt. Disappointment Project

- This contract  requires,  does not require, a Fire Box and associated Fire Tools according to CPRC Section 4428.

**A. Fire Tools and Equipment:** Contractor shall meet minimum requirements of Section 4428 of the California Public Resources Code (C.P.R.C.). Fire tools kept at each operating landing shall be sufficient to equip all employees in the felling, yarding, loading, chipping, and material processing operations associated with each landing. Fire equipment shall include two tractor headlights for each tractor dozer used in Contractor's Operations. Tractor headlights shall be attachable to each tractor and served by an adequate power source. All required fire tools shall be maintained in suitable and serviceable condition for fire fighting purposes.

Trucks, tractors, skidders, pickups and other similar mobile equipment shall be equipped with and carry at all times a size 0 or larger shovel with an overall length of not less than 46 inches and a 2-1/2 pound axe or larger with an overall length of not less than 28 inches.

Where cable yarding is used, Contractor shall provide a size 0 or larger shovel with an overall length of not less than 46 inches and a filled backpack can (4 or 5 gallon) with hand pump within 25 feet of each tail and corner block.

**B. Fire Extinguishers:** Contractor shall equip each internal combustion yarder, fuel truck, and loader with a fire extinguisher for oil and grease fires (4-A:60-B:C).

Skidders and tractors shall be equipped with a minimum 5-BC fire extinguisher.

All Fire Extinguishers shall be mounted, readily accessible, properly maintained and fully charged.

Contractor shall equip each mechanized harvesting machine with hydraulic systems, powered by an internal combustion engine (chipper, feller/buncher, harvester, forwarder, hot saws, stroke delimeter, etc), except tractors and skidders, with at least two 4-A:60-B:C fire extinguishers or equivalent.

**C. Spark Arresters and Mufflers:** Contractor shall equip each operating tractor and any other internal combustion engine with a spark arrester, except for motor vehicles equipped with a maintained muffler as defined in C.P.R.C. Section 4442 or tractors with exhaust-operated turbochargers. Spark Arresters shall be a model tested and approved under Forest Service Standard 5100-1a as shown in the National Wildlife Coordinating Group Spark Arrester Guide, Volumes 1 and 2, and shall be maintained in good operating condition. Every motor vehicle subject to registration shall at all times be equipped with an adequate exhaust system meeting the requirements of the California Vehicle Code.

**D. Power Saws:** Each power saw shall be equipped with a spark arrester approved according to C.P.R.C. Section 4442 or 4443 and shall be maintained in effective working order. An Underwriters Laboratories (UL) approved fire extinguisher containing a minimum 14 ounces of fire retardant shall be kept with each operating power saw. In addition, a size 0 or larger shovel with an overall length of not less than 38 inches shall be kept with each gas can but not more than 300 feet from each power saw when used off cleared landing areas.

- This contract  requires,  does not require, Section 4E of the Fire Plan.

**E. Tank Truck or Trailer:** Contractor shall provide a water tank truck or trailer on or in proximity to Contract Area during Contractor's Operations hereunder during Fire Precautionary Period. When Project Activity Level B or higher is in effect, a tank truck or trailer shall be on or immediately adjacent to each active landing, unless otherwise excepted when Hot Saws or Masticators are being used. See Section 6 for specific contract requirements.

The tank shall contain at least 300 gallons of water available for fire suppression. Ample power and hitch shall be readily available for promptly and safely moving tank over roads serving Contract Area. Tank truck or trailer shall be equipped with the following:

- (1) Pump, which at sea level, can deliver 23 gallons per minute at 175 pounds per square inch measured at the pump outlet. Pumps shall be tested on Contract Area using a 5/16 inch orifice in the Forester One Inch In-Line Gauge test kit. Pump shall meet or exceed the pressure value in the following table for nearest temperature and elevation:

## Mt. Disappointment Project

T e m p	Sea Level		1000 Feet		2000 Feet		3000 Feet		4000 Feet		5000 Feet		6000 Feet		7000 Feet		8000 Feet		9000 Feet		10000 Feet	
55	179	23	174	23	169	23	165	22	161	22	157	22	153	22	150	21	146	21	142	21	139	21
70	175	23	171	23	166	22	162	22	158	22	154	22	150	21	147	21	143	21	139	21	136	20
85	171	23	168	23	163	22	159	22	155	22	151	21	147	21	144	21	140	21	136	20	133	20
100	168	23	164	23	159	22	155	22	152	22	148	21	144	21	141	21	137	20	133	20	131	20
	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G	P	G
	S	P	S	P	S	P	S	P	S	P	S	P	S	P	S	P	S	P	S	P	S	P
	I	M	I	M	I	M	I	M	I	M	I	M	I	M	I	M	I	M	I	M	I	M

The pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread. A bypass or pressure relief valve shall be provided for other than centrifugal pumps.

- (2) 300 feet of 3/4-inch inside diameter rubber-covered high-pressure hose mounted on live reel attached to pump with no segments longer than approximately 50 feet, when measured to the extreme ends of the couplings. Hose shall have reusable compression wedge type 1-inch brass or lightweight couplings (aluminum or plastic). One end of hose shall be equipped with a coupling female section and the other end with a coupling male section. The hose shall, with the nozzle closed, be capable of withstanding 200 PSI pump pressure without leaking, distortions, slipping of couplings, or other failures.
- (3) A shut-off combination nozzle that meets the following minimum performance standards when measured at 100 P.S.I. at the nozzle:

	G.P.M.	Horizontal Range
Straight Stream	10	38 feet
Fog Spray	6 - 20	N/A

- (4) Sufficient fuel to run the pump at least 2 hours and necessary service accessories to facilitate efficient operation of the pump.

When Contractor is using Hot Saws or Masticators, an additional 250 feet of light weight hose, approved by the Forest Service, shall be immediately available for use and be capable of connecting to the 300 feet of hose and appliances in (2) and (3) above.

**This equipment and accessories shall be deliverable to a fire in the area of operations and is subject to the requirements for each specific activity level identified in Section 6.**

**F. Compressed Air Foam System:** A Compressed Air Foam System (CAFS) is a fire suppression system where compressed air is added to water and a foaming agent. By agreement, Contractor may substitute a CAFS or functional equivalent in lieu of the tank truck, trailer or fire extinguishers, provided it meets or exceeds the following specifications and requirements:

1. Variable foam expansion ratio – 10:1 to 20:1.
2. Units shall be kept fully charged with air; water and foam concentrate as recommended by the manufacturer and have the appropriate tools to service the system.
3. The unit shall contain enough energy to empty tank and clear hose prior to exhausting propellant.
4. The unit shall be capable of being completely recharged within 10 minutes.
5. When used on cable yarding landings, the unit shall be outfitted for immediate attachment to carriage and transported without damage to the unit.

## Mt. Disappointment Project

Fire extinguishers required for Hot Saws, Masticators and similar equipment identified in Section 4 B. above may be substituted with a 3 gallon CAFS.

Tank truck, trailer or equivalent may be substituted with a 30 Gallon CAFS with at least 550 feet of one inch hose and an adjustable nozzle with enough water, air and foam concentrate for at least one recharge.

**This equipment and accessories shall also be deliverable to a fire in the area of operations and subject to the requirements for each specific activity level identified in Section 6.**

### 5. GENERAL

- A. **State Law:** In addition to the requirements in this Fire Plan, the Contractor shall comply with all applicable laws of the State of California. In particular, see California Public Resource Codes.
- B. **Permits Required:** The Contractor must secure a special written permit from the District Ranger or designated representative before burning, welding or cutting metal or starting any warming fires. If contract requires Blasting and Storing of Explosives and Detonators, an Explosives Permit may be required pursuant to the California Health and Safety Code, Section 12101.
- C. **Blasting:** Contractor shall use electric caps only unless otherwise agreed in writing. When blasting is necessary in slash areas, a Fire Patrolperson equipped with a size 0 or larger shovel with an overall length of not less than 46 inches and a filled backpack can (4 or 5 gallon) with hand pump shall remain in the immediate area for an hour after blasting has been completed.
- D. **Smoking:** Smoking shall not be permitted during fire season, except in a barren area or in an area cleared to mineral soil at least three feet in diameter. In areas closed to smoking, the CO may approve special areas to be used for smoking. The Contractor shall sign designated smoking areas. Contractor shall post signs regarding smoking and fire rules in conspicuous places for all employees to see. Contractor's supervisory personnel shall require compliance with these rules. Under no circumstances shall smoking be permitted during fire season while employees are operating light or heavy equipment, or walking or working in grass and woodlands.
- E. **Storage and Parking Areas.** Equipment service areas, parking areas, and gas and oil storage areas shall be cleared of all flammable material for a radius of at least 10 feet unless otherwise specified by local administrative unit. Small mobile or stationary internal combustion engine sites shall be cleared of flammable material for a slope distance of at least 10 feet from such engine. The COR shall approve such sites in writing.
- F. **Reporting Fires:** As soon as feasible but no later than 15 minutes after initial discovery, Contractor shall notify Forest Service of any fires on Contract Area or along roads used by Contractor. Contractor's employees shall report all fires immediately to Dispatch or 911. Then the following Forest Service facilities and/or personnel listed below should be contacted within 15 minutes of initial discovery, (but not necessarily in the order shown) for update purposes only:

	Name	Office Address	Office telephone
<b>Dispatch Center</b>	<b>ANF ECC</b>	<b>Lancaster, CA</b>	<b>661-723-7619</b>
Nearest FS Station	Clear Creek	La Canada, CA	626-821-6763
Inspector	Zvard Davidson	Acton, CA	818-645-7510
COR	Anibal Gutierrez	Acton, CA	661-269-2808
District Ranger	Matthew Bokach	Glendora, CA	626-335-1251

#### **When reporting a fire, provide the following information:**

- Your Name
- Call back telephone number
- Project Name
- Location: Legal description (Township, Range, Section); and Descriptive location (Reference point)
- Fire Information: Including Acres, Rate of Spread and Wind Conditions.

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▪ This contract  requires,  does not require, Section 5G of the Fire Plan.

G. **Communications:** Contractor shall furnish a serviceable telephone, radio-telephone or radio system connecting each operating side with Contractor's headquarters. When such headquarters is at a location which makes communication to it clearly impractical, Forest Service may accept a reasonable alternative location. The communication system shall provide prompt and reliable communications between Contractor's headquarters (or agreed to alternative) and Forest Service via commercial or Forest Service telephone.

▪ This contract  requires,  does not require, Section 5H of the Fire Plan.

H. **Fire Patrolperson:** Contractor shall furnish a qualified fire patrolperson each operating day when Project Activity Level C or higher is in effect. When on duty, sole responsibility of patrolperson shall be to patrol the operation for prevention and detection of fires, take suppression action where necessary and notify the Forest Service as required. This Fire patrol is required on foot, unless otherwise agreed. By agreement, one patrolperson may provide patrol on this and adjacent projects. No patrolperson shall be required on Specified Road construction jobs except during clearing operations unless otherwise specified.

The Contractor shall, prior to commencing work, furnish the following information relating to key personnel:

<u>Title</u>	<u>Name</u>	<u>Telephone Number</u>
<b>Fire Supervisor</b>		
<b>Fire Patrolperson</b>		

I. **Clearing of Fuels:** Contractor shall clear away, and keep clear, fuels and logging debris as follows:

Welding equipment and stationary log loaders, yarders and other equipment listed in California State Law:	10 feet slope radius
Tail or corner haulback blocks:	All running blocks shall be located in the center of an area cleared to mineral soil at least 15 feet in diameter.
Lines near, between or above blocks:	Sufficient clearing to prevent line from rubbing on snags, down logs and other dead woody material.

6. **EMERGENCY PRECAUTIONS**

Contractor's Operations shall conform to the limitations or requirements in the Project Activity Level (PAL) table below. Project Activity Levels applicable to this project shall be the predicted activity levels for the Fire Danger Rating Area(s), or fire weather station(s) stated in the Contract Area Map Legend on Integrated Resource Service Contracts (IRSC's), and other contracts where applicable.

**Fire Danger Rating Area/Fire Weather Station for Project**

Chilao RAWS

The Forest Service, in its sole discretion, may change the predicted activity level if the current fire suppression situation, weather and vegetation conditions warrant an adjustment. If practicable, Forest Service will determine the following day's activity level by 6:00 PM. Contractor shall obtain the predicted Project Activity Level from the appropriate Ranger District Office before starting work each day.

**Phone Number or Website to obtain Predicted Activity Levels:**

(661) 723-2752

Forest Service may change the Project Activity Level Table to other values upon revision of the National Fire Danger Rating System. When Contractor is notified, the revised Project Activity Levels will supersede the levels in the Project Activity Level Table below.

## Mt. Disappointment Project

### PROJECT ACTIVITY LEVEL

<b>Level</b>	<b><i>Project Activity Minimum Requirements and Restrictions. Restrictions at each level are cumulative.</i></b>
<b>A</b>	Minimum requirements noted above in Sections 4 and 5.
<b>B</b>	1. Tank truck, trailer, or approved CAFS substitute shall be on or adjacent to the Active Landing.
<b>C</b>	1. When Hot Saws or Masticators are operating, a tank truck, trailer, or approved CAFS substitute shall be within ¼ mile of these operations. Effective communications shall exist between the operator and the Active Landing. 2. Immediately after Mechanical Operations cease, Fire patrol is required for two hours.
<b>D</b>	1. Immediately after Hot Saw or Masticator operations cease, Fire patrol is required for three hours. 2. No Dead Tree felling after 1:00 PM, except recently dead. 3. No burning, blasting, welding or cutting of metal after 1:00 PM, except by special permit.
<b>Ev</b>	<p>1. The following activities may operate all day:</p> <ul style="list-style-type: none"> <li>a) Loading and hauling logs decked at approved landings.</li> <li>b) Loading and hauling chips stockpiled at approved landings.</li> <li>c) Servicing equipment at approved sites.</li> <li>d) Dust abatement, road maintenance (Chainsaw use prohibited), culvert installation within cleared area, chip sealing, paving, earth moving or rock aggregate stock pile loading and installation (does not include pit or quarry development).</li> <li>e) Chainsaw and log processing operations associated with loading logs or other forest products at approved landings.</li> </ul> <p>2. Hot Saws or Masticators may operate until 1:00 PM; provided that:</p> <ul style="list-style-type: none"> <li>a) A tractor with a blade or other equipment capable of constructing fireline is on or adjacent to the active landing or within ¼ mile of the operating equipment. This piece of equipment shall have effective communication with the Hot Saw or Masticator.</li> <li>b) Any additional restrictions specified by the Forest.</li> </ul> <p>3. All other conventional Mechanical Operations are permitted until 1:00 PM.</p> <p>4. Some operations may be permitted after 1:00 PM, on a case-by-case basis, under the terms of a PAL Ev Variance Agreement. Activities for which a Variance may be issued are:</p> <ul style="list-style-type: none"> <li>• Rubber Tire Skidding</li> <li>• Chipping on Landings</li> <li>• Helicopter Yarding</li> <li>• Fire Salvage</li> </ul> <p>When approved by a Line Officer, a Variance Agreement can be implemented when the criteria specified in the agreement are met and mitigation measures are in place. This approval is good for ten (10) days unless cancelled sooner or extended by the Contracting Officer for an additional ten (10) days. Variance approval can be withdrawn at the sole discretion of the Forest Service. Variance approval is contingent on the 7-day fire weather forecast, fuel conditions, site characteristics, current fire situation, state of Contractor's equipment for prevention and suppression readiness, type of operation and social and community considerations etc. (See attached Project Activity Level Variance Agreement).</p>
<b>E</b>	<p>The following activities may operate all day:</p> <ul style="list-style-type: none"> <li>1. Loading and hauling logs decked at approved landings.</li> <li>2. Loading and hauling chips stockpiled at approved landings.</li> <li>3. Servicing Equipment at approved sites.</li> <li>4. Dust abatement, road maintenance (chainsaw use prohibited) or loading stock piles and rock aggregate installation (does not include pit or quarry development).</li> <li>5. Chainsaw operation associated with loading at approved landings.</li> </ul> <p>All other activities are prohibited.</p>



## Mt. Disappointment Project

This Project utilizes “The Project Activity Level” (PAL), an industrial operation’s fire precaution system. The following Climatology Chart indicates the Historic Activity Levels for the Project Fire Danger Rating Area or Fire Weather Station utilized on this Project. This is only a historical average of the Activity Levels for the identified Fire Danger Rating Area or Weather Station.

<b>Project Activity Level Climatology</b>								
Fire Danger Rating Area/Weather Station	<b>CHILAO</b>				Years Analyzed		<b>2004-2013</b>	
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E<sub>v</sub></b>	<b>E</b>	Days	
Month	Expected Days per Month at Each PAL Value						Analyzed	
January	6.1	1.9	4.8	4.8	7.7	5.7	307	31
February	7.8	4.1	3.5	3.7	5.6	3.3	273	28
March	5.8	2.7	3.9	6.1	6.9	5.6	305	31
April	3.6	2.2	5.6	5.7	7.5	5.3	288	30
May	1.0	2.5	4.8	3.4	10.2	9.1	296	31
June	0.0	1.2	1.6	1.7	10.4	15.1	299	30
July	0.5	0.2	0.8	1.6	9.5	18.4	307	31
August	0.1	0.2	0.5	0.8	7.6	21.8	307	31
September	0.6	0.5	0.9	1.6	7.5	18.9	300	30
October	1.6	2.7	2.5	2.0	10.5	11.6	309	31
November	2.4	2.4	3.9	2.9	9.8	8.5	296	30
December	5.5	3.1	3.8	4.5	8.3	5.9	304	31
<b>TOTAL</b>							3591	365

## Mt. Disappointment Project

### Region 5 Project Activity Level (PAL) Ev Variance Application/Agreement

Project Name: \_\_\_\_\_

Contract Number: \_\_\_\_\_

Contractor Name: \_\_\_\_\_

Request #\_\_, for period: \_\_\_\_\_

Units/Subdivisions Affected: \_\_\_\_\_

<b>Location of operation:</b>	
Slope	
Aspect	
Elevation	
Fuels on site	
Fuels in surrounding area	
7 Day PAL Outlook	
Short range predictions (Red Flags)	
<b>Fuel Moistures</b>	
Response time of suppression resources	
Potential for ignition	
RAWS location	
<b>Current Fire Situation:</b>	
Draw down information	
National Readiness Level	
<b>Contractual considerations:</b>	
Normal Operating Season	
Frequency of recent contract fires in area	
Type of operation	
Contractors past/current performance & equipment readiness	
Other site specific mitigation or precaution (i.e. Contractors proposals)	
<b>Social &amp; Community Considerations:</b>	
Proximity of high value resources	
Sensitivity of location	

Mt. Disappointment Project

<p><b>Proposed Actions:</b></p> <p><b>Description of Mitigation Measures:</b></p> <p><b>Remarks:</b></p>
--

\_\_\_\_\_  
Fire Management Officer Concurrence

\_\_\_\_\_  
Date

\_\_\_\_\_  
Line Officer Approval

\_\_\_\_\_  
Date

I have considered the above request and determined the specified mitigation measures or actions must be implemented to continue operations in Project Activity Level Ev. Unless extended, the approval remains in effect for ten (10) calendar days unless cancelled sooner or extended by the Forest Service for an additional ten (10) days. At the sole discretion of the Forest Service, this variance can be modified and/or cancelled at no cost to the government.

\_\_\_\_\_  
Contracting Officer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor Representative

\_\_\_\_\_  
Date