

Plumas County Fire Safe Council



RED CLOVER ESTATES HAZARDOUS FUEL REDUCTION PROJECT

Project Prospectus

The Red Clover Estates (RCHFR) was developed as part of the Plumas County Fire Safe Council's (PFSC) strategy to reduce hazardous fuel conditions surrounding communities at risk. The project is located in the eastern Genesee Valley area, T26N, R12E, Section 31, MDM in Plumas County. Access is gained from the Antelope and Lower Mill Roads. Approximately 64 acres have been identified for treatment using mechanical applications. This prospectus is intended to solicit potential contractors interested in performing hazardous fuel reduction tasks to the specifications provided below.

Project is funded has been provided by HR 2389, Title II funds.

Contract Term and Timing of Operations:

Operations shall begin by agreement upon contract execution with completion no later than December 31, 2006.

Operations shall be conducted during daylight hours beginning no sooner than 7:00 am each working day.

Treatment Area Designation:

A Registered Professional Forester (RPF) or supervised designee has identified all treatment areas on the ground. Each treatment area is flagged with surveyors' ribbon. Color codes and significance are as follows:

Solid Red: Property Boundary, do not cross.

Solid Yellow: Septic System area

Solid Blue: External Project Perimeter Boundary, do not cross.

Blue and White Candy Striped: Watercourse Protection, Equipment limitation.

Red and White Candy Striped: Cultural Resources, Limited operations, Equipment Exclusion.

Yellow and Black Candy Striped: Biological Exclusion: Limited operations, Equipment Exclusion.

Solid White: Mechanical Mastication Boundary.

Florescent Pink: Out Area, No Operations.

Fifteen property owners are participating with this project. Individual property boundaries have been established with red flagging. The external project (perimeter) boundary is flagged in blue. Operations shall not extend beyond the external boundary. All residential septic system areas have been identified with yellow flagging.

Treatments:

Two treatment methods have been developed within the RCHFR. These methods were designed to meet the PFSC objective, minimize environmental impact and effectively treat hazardous fuel conditions. As a prospective contractor, you are encouraged to submit a bid to complete all or an individual project item. Please provide details of how you will conduct your operations and time line for completion. Your bid will be reviewed by an RPF (Brian Wayland, RPF #2396) who will then discuss potential operator(s) with the appropriate PFSC representative to determine the successful bidder. The RPF and PFSC reserve the right to reject any or all bids.

Treatments are as follows:

Item #1, Mastication, Approximately 30.0 acres.

Mechanical mastication of vegetation shall be required to reduce the fuel load and modify vegetative density for fire hazard reduction. Conifers and other vegetative species are designated for treatment within this item. All chaparral species including, but not limited to manzanita and ceanothus, shall be included.

This treatment item consists of young growth ponderosa pine in both plantation and natural forest settings. Scattered brush exists in the understory. Within the treatment area, masticated material shall be evenly distributed across the project area in the most feasible way possible. Treated stumps and stems shall be no longer than 4” from the ground as measured on the uphill side.

The desired spacing between trees shall be:

<u>Tree Size, DBH</u>	<u>Maximum Spacing</u>
0”- 4”	7’
5”- 9”	12’
10”-12	17’
>13”	No Treatment

Tree foliage/canopy shall not overlap and have a distinct break between tree crowns.

Mastication equipment shall not operate between the hours of 1:00 p.m. and 8:00 p.m. on days designated as “Red Flag Fire Watch” by the National Weather Service. The Redding Fire Weather Forecast Shall be consulted each evening for the next days forecast.

For fire suppression reasons, the operator shall visually observe the area where operations have occurred once every 15 minutes. A designated watchman shall observe the entire area in which operations have occurred for a minimum of two hours after shutdown.

Fire suppression equipment shall be on site during operations.

Item #2, Commercial Thinning Operations, Approximately 37.7 acres.

Item #3 supports a forest setting with commercial forest products that include chips and Sawlogs. Operations shall treat this area utilizing ground based logging systems.

The contractor shall mechanically fell designated trees on slopes <40%, bundled them into bundles (doodles) and yard all bundled doodles to existing landings for processing with delivery to SPI Quincy and Loyalton. A Notice of Emergency Timber Operations Fuel Hazard Reduction as per 14 CCR 1052.4 shall govern operations. This permit shall be submitted following contractor selection so that their LTO information shall be included as required for section #3 of the aforementioned permit. Approximately 45 MBF of conifer Sawlogs and 185 BDT of chips are to be harvested during operations.

All trees greater than 12” DBH to be retained (leave trees) during operations have been marked with blue paint prior to operations. Trees less than 12” dbh shall be designated for harvest by description. The tables provided below shall direct the LTO in terms of conifer distribution of trees <12” dbh. The LTO shall

select the highest quality conifer then remove all surrounding, competing conifers to the designated spacing below. Residual timber (leave trees) shall consist of healthy, vigorous dominant and codominant trees with full crowns, greater than 40% live crown, free of defect and the best phenotypes of the preharvest stand. The LTO shall maintain the preharvest species composition. Conifer retention priority shall be in the following order: Sugar Pine, Ponderosa Pine, Douglas fir, Incense Cedar, and White fir.

Tree distribution shall be as follows:

Tree Size, DBH	Trees per Acre	Maximum Spacing
4" - 9"	112	12'
10"-12	45	17'

At no time shall conifer spacing exceed 25' between trees, regardless of DBH class. Should the final stand appear to be reaching the maximum tree spacing, the contractor shall contact the RPF to discuss potential adjustments to the residual stand.

Stocking shall be met by retaining 100 healthy, vigorous dominant trees per acre over 4" in DBH for Site III timberlands or 75 square feet of conifer basal area as determined by the RPF.

Treatment shall remove all dead, diseased, dying or suppressed trees of any species as described above. Trees shall be severed no higher than 4" above ground as measured from the upper side of the tree. Once felled, each tree shall be bucked to manageable lengths, if necessary to minimize damage to the residual stand, and removed to designated treatment sites for manufacturing.

All forest products generated from operations shall remain the property of the Plumas Corporation. The contractor shall not remove or sell any products from this project to defer costs or generate income in any way.

Operator must be a California Licensed Timber Operator (LTO) to provide services as described in Section #3.

Pre-Work Meeting:

Prior to operations, the contractor shall meet with Wayland to discuss operations.

Method of Payment:

The contractor may submit an invoice to the Plumas Corporation twice monthly for work completed. Payment shall be made following conformation of work completion and acceptance of work by the supervising RPF.

Bidding Requirements:

Bid Date

The contractor shall provide a lump sum bid by Item for this project to Brian Wayland, P.O. Box 374, Quincy, CA 95971 no later than January 27, 2006 at 5:00 PM.

Treatment Table
Red Clover Hazardous Fuel Reduction Project






Parcel	Mechanical Mastication Acres	Embedded Mechanical Mastication Acres	Mechanical Thinning Acres
Paczynski	6.0		
Worthley	1.9		
McCreary/Crowlie	3.6		
Taschenburg			3.8
Dunlop/Palazzo			1.9
Horchis			2.0
Beery			1.8
Aitken		1.5	4.0
Preminger			6.7
Jones	15.0	2.0	2.0
Kraemer			6.7
Young/Kull			2.4
Bonerz			3.9
Stemmler/McEntee			1.0
Bourbon			1.0
RC Rec. Assn			0.5
TOTALS	26.5	3.5	37.7

**Red Clover Estates
Hazardous
Fuel Reduction
General Vicinity Map**

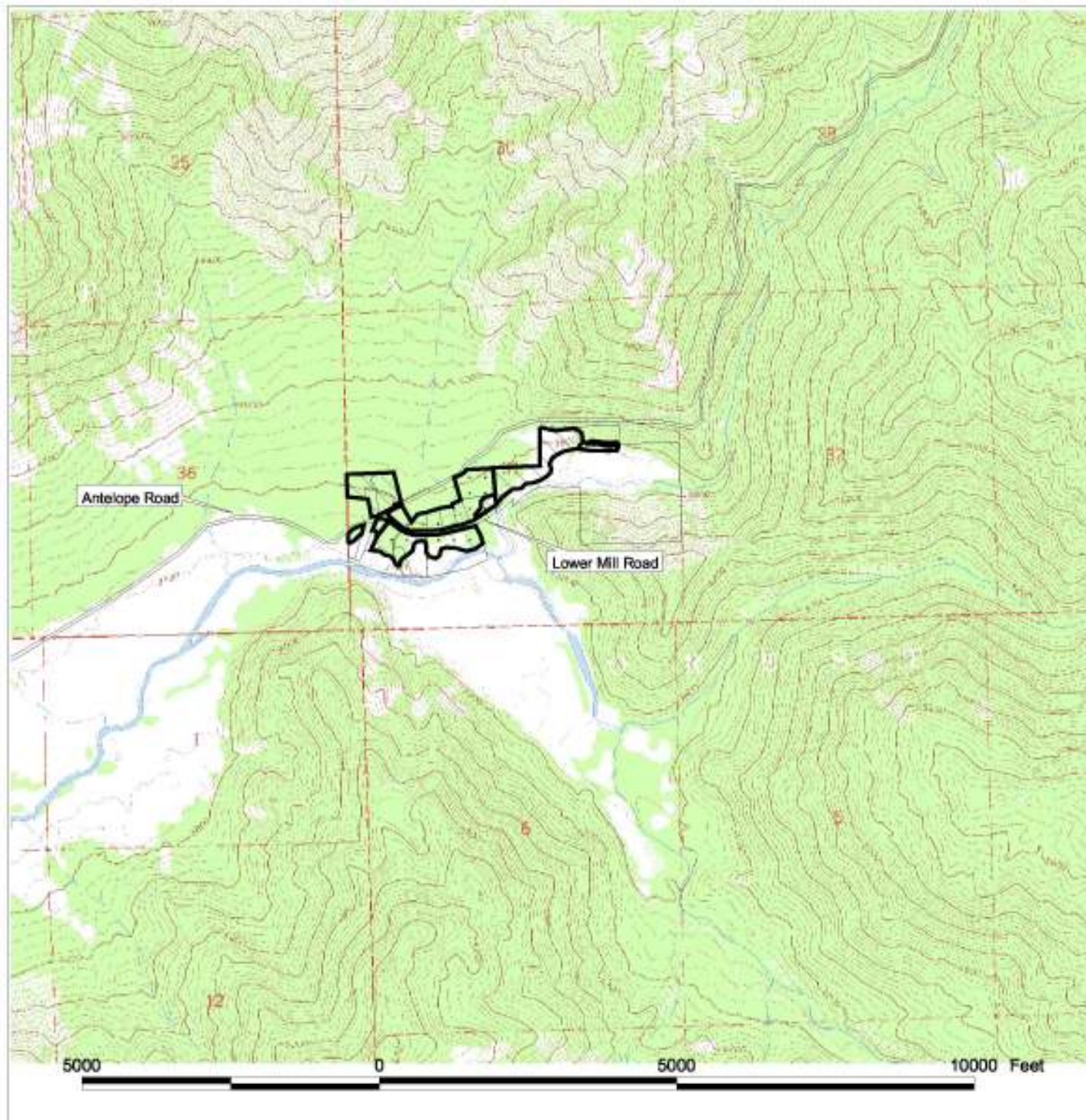
Genesee Valley USGS 7.5' Quad
T26N, R12E, S31, MDBM
Contour Interval = 40 feet

Scale 1:24000



-  Property Boundary
-  Mechanical Thinning
-  Mechanical Mastication
-  Antelope Road
-  Lower Mill Rd









WRM
Wayland Resource Management
P.O.Box 374
Quincy, CA. 95971
(530)283-1921
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**Red Clover Estates
Hazardous
Fuel Reduction
Treatment Map**

Genesee Valley USGS 7.5' Quad
T26N, R12E, S31, MDBM
Contour Interval = 40 feet

Scale 1:6500

-  Mechanical Mastication
-  Mechanical Thinning
-  Spring Area
-  Class III Watercourse
-  Class IV Watercourse
-  Property Boundary
-  Lower Mill Road
-  Antelope Road



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