

Jackson Demonstratin State Forest
PETERSON GULCH 2015 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	March 20, 2015	Estimated Net Volume:	2,002 MBF
Redwood	\$525.00 /Mbf (min bid)	THP Number:	1-14-122 MEN
Douglas-fir	\$80.00 /Mbf (fixed rate)	Phone:	(707) 964-5674
Whitewoods	\$40.00 /Mbf (fixed rate)	Information:	Erik Wahl
		Date:	2/2/2015

Table 1. Estimated Total Volume to be Harvested (Bf)

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	1,331,290	1,171,535	12%	58.5%
Douglas-fir	848,039	763,235	10%	38.1%
Whitewoods	74,657	67,192	10%	3.4%
Totals	2,253,986	2,001,961		100%

Table 2b. Estimated Volume, Cable and WLPZ (Bf) 73%

Species	Gross	Net
Redwood	894,213	786,907
Douglas-fir	675,625	608,062
Whitewoods	68,401	61,561
Totals	1,638,239	1,456,531

Table 2c. Estimated Volume, Tractor and ROW (Bf) 27%

Species	Gross	Net
Redwood	437,077	384,628
Douglas-fir	172,414	155,172
Whitewoods	6,256	5,630
Totals	615,747	545,430

Table 3. Estimated Acreage

	Plan acres	NSO Buffer	Net Acres
Cable	77	0	77
Tractor/Road ROW	32	0	32
Totals	109		

Table 4. Harvest QMD by Species *(not including estimated cable corridor)*

Species	DBH (in.)
Redwood	25.9
Douglas-fir	29.2
Whitewoods	29.0

GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Park Gulch Timber Harvest Plan (1-14-122 MEN) apply. Copies of Sections I and II of the THP are available by request from the State Forest headquarters or available via the internet, [ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs/THPs2014/1-14-122MEN/Peterson Gulch THP \(1-14-122MEN\)](ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs/THPs2014/1-14-122MEN/Peterson_Gulch_THP_(1-14-122MEN)). One complete copy will be provided to the LTO.

TIMBER HARVESTING PLAN

Item 14d

The following are specifications for harvest and retention trees.

HARVEST TREES – All areas within THP

Harvest trees shall be marked with blue paint using a horizontal stripe at approximately breast height and a stump mark below the cut line.

RETENTION TREES – All areas within THP

Marking of retention trees is not required; however individual trees may be marked for retention by the RPF or supervised designee with blue paint with a circle at breast height and at the base of the tree. No harvesting of downed trees or old logs from previous operations is proposed. See Item 14(g) DOWN TREES below.

Unmarked trees or trees marked for retention may be felled in the following situations:

- 1) To provide safe operating corridors for skyline cable operations. See CABLE CLEARANCE TREES below.
- 2) To provide stumps for cable-rigging purposes.
- 3) Compliance with Title 8 CCR, Logging and Sawmill Safety Orders.
- 4) As described in Item 14(g) below.
- 5) Road Right-of-way (see below).

ROAD RIGHT-OF-WAY

Clearing limits for Proposed Seasonal Roads and segments of Proposed Road Reconstruction are designated on retention trees with two vertical orange painted stripes facing the flagged centerline. All trees between the clearing limits are proposed for harvest. If necessary to provide adequate clearance for road construction/reconstruction, additional trees may be harvested upon approval of the responsible RPF or designee. Proposed Seasonal Roads are centerline flagged with solid orange Site-Mark® "TRUCK ROAD" in black lettering.

Item 14g

CABLE CORRIDORS: Outside of the WLPZ, to the extent possible cable yarding corridors shall be limited to 10 feet in total width, with the understanding that some corridors may be wider as a result of silviculture prescription or harvesting trees that have been substantially damaged by timber operations. Cable corridors shall be pre-planned and pre-located by the LTO.

CABLE CLEARANCE TREES: Any tree (within the THP area only) may be harvested/felled if necessary for cable clearance, except for trees located within a WPLZ. Trees located within a WPLZ shall not be felled for cable corridors unless they directly impact the safety of cable-yarding operations; trees felled for safety may be harvested. Compliance with all other applicable Forest Practice Rules and requirements in the THP is required.

TREES SUBSTANTIALLY DAMAGED BY LOGGING OPERATIONS: Merchantable young growth trees damaged during timber operations shall be felled as approved and directed by the Plan Submitter. Damaged trees may not be felled if marked for retention if damaged tree has a cavity potentially used for wildlife.

DOWNED TREES: There shall be no cutting or removal of existing unmarked down trees or logs. These logs may be moved if necessary for clearing truck road rights-of-way and as otherwise necessary to harvest the designated timber. If windthrow of merchantable trees occurs in the logging area prior to completion of operations, windthrown trees outside of the WLPZ may be harvested upon approval of the Plan Submitter.

Item 16

With prior approval of the Plan Submitter's designee, the LTO may cable yard any area designated for ground based yarding provided it will afford equal or greater protection to the soil and residual stand.

Item 18

Soil stabilization treatments required under item 18 will be accomplished using weed free straw or slash.

In the THP the coverage rate states at least 90% of the surface to a depth of at least three inches. However, the requirement stated in the Timber Sale Contract shall be met: 95% surface coverage to a depth of at least four inches.

Item 20

Ground based equipment may be used within the area designated for cable yarding to long-line trees from cable areas with tracks/tires resting in the area designated for ground based equipment including roads.

To assist cable yarding operations, ground based equipment may be used to yard logs within the cable yarding area on an existing skid trail, shown on the Timber Harvest Map. Ground based equipment shall be confined to the existing skid trail and on adjacent slopes < 50% outside any ELZ, EEZ or WLPZ. The skid trail to be used for tractor assist has been pre-flagged by the RPF with yellow (Site-Mark® "SKID TRAIL") flagging and is illustrated on the attached Timber Harvest Map. See Section III, Item 20 for further discussion.

Item 25

New road construction is proposed.

Item 26

The distance for Class II WLPZs is 100 feet on all slopes, between 50-75 feet for springs and 50 feet for wet areas. All WLPZ's are identified with blue and white stripe "WLPZ" flagging. With the exception of WLPZ width, all protection measures applicable to Class II's apply to springs and wet areas.

There is water drafting 1603 permit approved for use of site WD4 and a well located off JDSF Road 800, adjacent to the CALFIRE/USFS Learning Center.

Item 30

Slash created and trees knocked down by timber operations within 100 feet of the edge of Highway 20 and Rd 90 within or adjacent to the plan area shall be treated for fire hazard reduction. Treatment shall consist of lopping as defined in 14 CCR 895.1: *Severing and spreading of slash so that no part of it remains more than 30 in. (76.2 cm) above the ground (Ref. Sec. 4551.5, PRC).*

Other than Highway 20 and Rd 90 described above in Item 30a, an alternative to 14 CCR 917.2 (b) is proposed for Roads 82, 82A, 82B, 82C and 91 within or adjacent to the plan area. Guidance for the LTO to comply with this alternative practice is as follows:

The alternative slash treatment is proposed to reduce the treatment distance from the standard of 100 feet to the proposed alternative distance of 50 feet where all other treatment defined in 14 CCR 895.1 described above shall apply. See Section III, Item 30(b) for an explanation and justification.

Item 32

No timber operations shall occur until protocol surveys have been completed for the current, and/or immediately preceding survey period, the results have been provided to CAL FIRE to be evaluated for consistency with the plan and the protocol, and the results have been amended into the plan.

Item 33

The California Logging and Sawmill Safety Orders, Title 8 CCR 6259(a), require that “all ... snags which appear to be dangerous to any operation shall be felled.”

All snags within the timber harvest area shall be retained with the exception of snags that pose a fire or safety hazard. If the LTO determines a snag to be a hazard, the LTO has the option to fall the snag for safety purposes.

TIMBER SALE AGREEMENT

<u>Page</u>	<u>Item</u>	<u>Description</u>
3	2D	All timber scaled by "third party" scaling organization, using Revised Scribner Decimal C Log Rule.
3	3A	Unless written extension of time is granted by the Director of Forestry and Fire Protection, all merchantable timber designated for cutting shall be paid, cut and removed on or before November 15, 2015. This date may be extended or the required volume may be adjusted mutually by the STATE and the PURCHASER due to unforeseen circumstances. All timber operations must be completed by November 15, 2015
5	7	Production and cost data with respect to all timber harvesting operations and other forestry activities. Required data includes person-hours and equipment-hours spent on each activity, and applicable rates for employees, machines and supervision, and costs for any materials or services needed for completion of activities.
6	10	<p>The minimum log dimensions for utilization is 10 feet in length and 8 inches in small-end diameter.</p> <p>Any log segment presented for scaling shall be scaled as merchantable which has a net volume of at least 10 board feet, providing a net merchantable scale of at least 25 percent of the total volume.</p>
6	11B	Payment for scaling and reporting services performed by the scaling organization shall be made by the Purchaser.
7	11J	Conduct a minimum of one check scale per month per scaler by the scaling organization, during the operating season, to document scaler proficiency.
8	11P	Weekly reports of faller days and volume by unit. This information to be available for collection by the Timber Sale Officer or delivered to State Forest HQ no later than the following Tuesday.
10	13A	<p>All terms, provisions and requirements of the Forest Practice Rules and the Timber Harvesting Plan (1-14-122 MEN) are made part of the Timber Sale Agreement.</p> <p>On completion of operations satisfactory to the Timber Sale Officer, the operator shall certify by letter to the STATE, all operations are complete and comply with Forest Practice Rules and THP.</p>
10	13A1	<p>A pre-work conference to be attended by representatives of the State and the Purchaser, including subcontractors is required before operations can begin.</p> <p>The Purchaser is responsible to ensure all contractors are provided with relevant applicable documentation.</p>
10	13A2	No timber operations shall be conducted after January 31 of any year until the State or the Purchaser has completed required surveys for northern spotted owls, and extension of the No-Take determination has been received from the appropriate reviewing agency.

<u>Page</u>	<u>Item</u>	<u>Description</u>
11	13A3	Flagging of all skid trails required at least two weeks in advance and notify the Timber Sale Officer for approval.
11	13A5	Minimum distance between new skid trails is 100 feet, unless waived by the Sale Officer.
11	13A7	Merchantable trees felled and bucked to log lengths, limbed to the 6-inch top, and the top bucked at the time of felling.
12	13A8	All slash created by timber operations within 100 feet of Highway 20 and JDSF Road 90 shall be lopped to the extent that no portion shall remain over 12 inches above the ground for the first 50 feet and 24 inches above the ground for the remaining 50 feet. Slash created by timber operations within 50 feet of all other seasonal and permanent roads shall be lopped to the extent that no portion shall remain over 24 inches above the ground.
12	13A9	Maximize the extent of spreading slash to avoid or minimize the need for piling and isolating slash for burning. Logging wastes on landings on permanent and seasonal roads shall be segregated into large materials which can be utilized by firewood cutters. Material at least 8 inches in diameter and 6 feet in length is considered suitable for firewood.
12	13A11	Cable yarding system requirements are given.
12	13A12	Location of cable corridors will be flagged, mapped and approved by Sale Officer prior to rigging. Distance between cable corridors, no less than 200 feet measured from the back of cable road.
13	13A16	No permanent painted messages. Use temporary signs to be removed once their function is complete.
14	13A20	Mulching standard is at least 95% coverage to a minimum depth of four inches.
15	17A3	Road width is 14 feet including 1 foot shoulder on each side of a 12 foot traveled surface. Width may be wider on curves.
15	17A5	Full bench road construction on slopes exceeding 50%.
15	17A6	Seasonal roads will be outsloped (2-5%) without a berm or ditch. Rolling dips will be constructed on road grades of 10% or less during road construction at locations proposed by the Purchaser, approved by the Timber Sale Officer. The Sale Officer will specify the location for drainage structures on roads greater than 10% prior to final road grading.
16	17D	All required culvert installations to be complete prior to log hauling on existing roads and concurrent with road construction and prior to use on proposed roads. Dispose culverts at an off-forest public disposal site.
18	17I	Maintenance work to be done within 15 days of end of hauling operation on each road and immediately on completion of hauling on any road after October 15.

<u>Page</u>	<u>Item</u>	<u>Description</u>
18	17N	The PURCHASER shall provide, haul, place and compact rock for road stabilization and other locations specified in Item 17 (d) and as described in the Additional Specifications (Exhibit A, Attachment1).
20	20	In addition to required fire tools complement, have available to the sale area for fire suppression purposes a "Park wagon" or similar self-propelled vehicle of at least 1,000 gallon capacity.
20	22	The PURCHASER shall pay \$7,280 to Green Diamond Resource Company for the propagation of redwood plug reforestation seedlings by December 15, 2015. In the event that the fee is less than \$7,280, the timber sale officer may direct the PURCHASER to purchase and deliver rock equivalent in value to the unused fee balance at the rate of \$50 per cubic yard of rock material to a location specified by the Timber Sale Officer.
31	1	A deposit of \$17,000 must be submitted with the bid.
32	3	Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
36	4	Performance security of \$35,000 required prior to contract approval.

PETERSON GULCH THP FLAGGING CODE

/ = Striped ● = Polka dot ■ = Checkered

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting boundary	pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class I watercourse (centerline)	solid blue
Class II watercourse (centerline)	blue/white stripe
Wet Area/Seep/Spring	blue/white stripe & white (combination)
Class II/Spring/Seep/Wet Area WLPZ	blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering
Class I WLPZ	blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering & solid blue (combination)
Class III watercourse (centerline)	blue●white polka-dot
Tractor/Cable boundary	red/white stripe
Tractor road (skid trail)	solid yellow
Message flag	pink/black stripe & yellow (combination)
Survey stations, Cruise stations	red●white polka-dot
Cable Road	solid red, unless otherwise approved by the RPF
Equipment Limitation Zone (ELZ) & Equipment Exclusion Zone (EEZ)	solid red & solid white (combination)
Proposed Road grade & centerline	solid orange Site-Mark® "TRUCK ROAD" in black lettering
Faller Stripe	solid white
Special Treatment	orange/white stripe Site-Mark® "SPECIAL TREATMENT ZONE" in black lettering