

Jackson Demonstration State Forest

Frolic #2 2014 Timber Sale

Summary Of Sale Information

Bid Date:	March 4, 2014	Estimated Net Volume:	4,111	MBF
Minimum Bid:		THP Number:	1-13-101 MEN	
Redwood	\$430 /Mbf	Information:	Jason Serna	
Fixed Price:		Phone:	(707) 964-5674	
Douglas-fir	\$40 /Mbf	Date:	1/16/2014	
Whitewoods	\$40 /Mbf			

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

Species	Gross	Net	% Defect & Breakage	% Species Comp.
Redwood	3,619,990	3,149,391	13%	77%
Douglas-fir	922,490	802,566	13%	20%
Whitewoods	178,910	159,230	11%	3%
Totals	4,721,390	4,111,188		100%

Table 2a. Estimated Volume, Cable (Bf)

Species	Gross	Net
Redwood	2,401,520	2,089,322
Douglas-fir	439,170	382,078
Whitewoods	20,130	17,916
Totals	2,860,820	2,489,316

Table 2b. Estimated Volume, Tractor (Bf) 23%

Species	Gross	Net
Redwood	1,218,470	1,060,069
Douglas-fir	483,320	420,488
Whitewoods	158,780	141,314
Totals	1,860,570	1,621,871

Table 3. Estimated Acreage

	Plan acres
Cable	234
Tractor	97
Totals	331

Table 4. QMD by Species (not including estimated cable corridor volume ~6%)

Species	
Redwood	27
Douglas-fir	28
Whitewoods	26

GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Frolic #2 Timber Harvest Plan (1-13-101 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/THPs2013/1-13-101MEN/.

One complete copy will be provided to the LTO.

TIMBER HARVESTING PLAN

Item 14d: All harvest trees are marked with blue paint. This includes hardwoods which must be harvested.

Unmarked trees may be felled in the following situations:

- 1) To provide safe operating corridors for skyline cable operations. See CABLE CLEARANCE TREES below, Item 14g.
- 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 for damaged trees.

Item 14f: Tanoak will be harvested to reduce competition with conifers. Any harvested hardwood may be yarded to the nearest landing. Hardwoods with a DBH of 22" or greater will not be harvested unless necessary for safety, yarding or road construction.

Item 14g: Trees Substantially Damaged By Logging Activities: Damaged trees may not be felled if within a WLPZ, if marked for retention, or if the damaged tree has a cavity potentially used by wildlife. Otherwise, merchantable young growth trees damaged during timber operations shall be felled and yarded as approved and directed by the plan submitter.

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.

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 WLPZ shall not be felled for cable corridors unless they directly impact the safety of cable yarding operations. These trees felled for safety may be harvested. No trees located within the channel zone of a class I or II watercourse may be felled for cable clearance. Compliance with all other applicable Forest Practice Rules and requirements in the THP is required.

Item 15: SOD Compliance: LTO is responsible for ensuring all vehicles are free from regulated host material. If logs will be delivered to a destination other than stated a minor amendment is required.

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 with weed free straw. 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.

Traveled surfaces of logging roads shall be treated for dust abatement and kept in firm condition.

All waterbreaks shall be installed no later than the beginning of the winter period of the current year of timber operations.

Installation of drainage facilities and structures is required from October 15 to November 15 and from April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours.

Item 23: Year-round wet weather restrictions apply and shall be adhered to.

A winter operating plan is included in item 23 and shall be adhered to.

Item 26: The Class I watercourse will have 150 foot WLPZ (except for harvest of cable corridor trees where needed). Class II watercourses will have 30 foot no-cut WLPZ inner band (except for harvest of cable corridor trees where needed). Except for the necessary removal of trees for safe cable yarding operations, no trees shall be harvested from within the bed and bank zone of the watercourse.

Item 30: Slash created and trees knocked down by timber operations within 100 feet of the edge of all appurtenant roads within the THP area shall be treated for hazard reduction.

Item 32: No timber operations shall occur until Northern Spotted Owl (NSO) 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: 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.

Item 36: A meeting is required prior to operations.

TIMBER SALE AGREEMENT

<u>Page</u>	<u>Item</u>	<u>Description</u>
3	2D	All timber removed be reason of this sale shall be 100 percent scaled by a recognized, independent, third party scaling organization at the PURCHASER's expense.
3	3A	All merchantable timber designated for cutting shall be paid for and cut on or before June 30, 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 other timber operations must be completed by November 15, 2015. This Agreement shall terminate on May 15, 2016, by which date all requirements of the Agreement must be completed.
4	3B	Notification and permission is required for operations on weekends or State holidays
5	7	The PURCHASER shall provide 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.
5	8	Domestic processing of timber required.
6	10	The minimum log dimensions for utilization is 10 feet in length and 8 inches in small-end diameter.
6	11B	Payment for scaling and reporting services performed by the scaling organization shall be made by the Purchaser.
8	11I	At least three loads scaled within the previous five operating days shall be left rolled out in the mill yard where scaled to facilitate check scaling, unless otherwise approved by the Sale Officer.
8	11J	Conduct a minimum of one check scale per month per scaler by the scaling organization, during the operating season, to document scaler proficiency.
9	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	All terms, provisions and requirements of the Forest Practice Rules and the Timber Harvesting Plan (1-13-101 MEN) are made part of the Timber Sale Agreement. Upon 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.
10	13A1	A pre-work conference to be attended by representatives of the State and the Purchaser, including subcontractors is required before operations can begin. A logging plan is required to be submitted to the Timber Sale Officer at least two working days prior to the pre-work conference.
11	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.

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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. Erosion control requirements apply year-round. Erosion control structures shall be installed on all skid trails and temporary or seasonal truck roads within 30 days of completion of their use, or at the end of day if the U.S. Weather Service forecast is a "chance" (30% probability or more) of rain before next working day or at any time that the equipment needed to install such structures leaves the sale area.
12	13A7	Merchantable trees felled and bucked to log lengths, limbed to the 8-inch top, and the top bucked at the time of felling.
12	13A8	All slash created by timber operations within 100 feet of permanent and seasonal roads shall be lopped to the extent that no portion shall remain 30 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.
13	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	13A13	Corridor width not to exceed 10 feet.
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.
14	13A23	40 Mbf redwood, 10 Mbf Douglas-fir and 2 truckloads of tanoak shall be delivered to the Parlin Fork Camp mill site by November 15, 2014.
18	17G	Road surface must be treated for dust abatement. The purchaser may use surfacing chemicals for all roads as approved by the Timber Sale Officer.
18	17H	If STATE cannot provide water, the PURCHASER shall provide water and be compensated at a rate of \$270 per mile of watered road per day.
19	17I	Road 310 is the preferred haul route. Road 330 is available as an alternative haul route.
19	17J	Road 310 shall be treated with lignin or an equivalent dust treatment if that route is used. If an alternative route is used and less treatment is required, rock shall be provided to make up the difference in value.

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19	17K	If lignin is used, it shall be diluted with water to a 10% solution prior to application and shall be applied according to manufacturer's recommendations at the rate of 0.25 gallon per square yard to the full width of the road.
19	17O	The PURCHASER shall provide, haul, place and compact 250 cubic yards of 1½" coarse crushed rock for road stabilization at locations specific by the Timber Sale Officer.
19	20	In addition to required fire tools complement, have available to the sale area for fire suppression purposes a "water wagon" or similar self-propelled vehicle of at least 1,000 gallon capacity.
30	1	A deposit of \$48,000 must be submitted with the bid.
31	3	Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
35	4	Performance security of \$95,000 required prior to contract approval.

Frolic #2 Flagging Code

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting boundary	Pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class I, II, and Springs WLPZ	Blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering & solid orange
Class III watercourse	Blue/white polka-dot
Tractor road (skid trail)	Yellow Site-Mark® "SKID TRAIL" in black lettering
Road grade centerline	Orange Site-Mark® "TRUCK ROAD" in black lettering
Landing at end of road	Three solid orange flags
Map Points	Solid orange and solid yellow
Equipment Exclusion Zone (EEZ) Equipment Limitation Zone (ELZ)	Solid red and solid white
Message/note	Pink/black stripe & white or yellow (combination)
Tractor/cable boundary	Red/white stripe
Unstable areas, protection zones (including NSO core zone)	orange/white stripe Site-Mark® "SPECIAL TREATMENT AREA" in black lettering