

Jackson Demonstration State Forest  
**Bob Woods West 2016 Timber Sale**

Summary Of Sale Information

Bid Date:	March 1, 2016	Estimated Net Volume:	<b>2,527</b>	MBF
Minimum Bid:		THP Number:	1-15-118 MEN	
Redwood	\$520 /Mbf	Information:	Brandon Rodgers	
Fixed Price:		Phone:	(707) 964-5674	
Douglas-fir	\$40 /Mbf	Date:	1/13/2016	
Whitewoods	\$40 /Mbf			

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

Species	Gross	Net	% Defect & Breakage	% Species Comp.
Redwood	2,067,819	1,799,003	13%	71.2%
Douglas-fir	827,129	719,602	13%	28.5%
Whitewoods	9,831	8,750	11%	.3%
<b>Totals</b>	<b>2,904,779</b>	<b>2,527,354</b>		<b>100%</b>

**Table 2a. Estimated Volume, Cable (Bf) 57%**

Species	Gross	Net
Redwood	1,088,243	946,771
Douglas-fir	572,133	497,756
Whitewoods	3,308	2,944
<b>Totals</b>	<b>1,622,225</b>	<b>1,411,786</b>

**Table 2b. Estimated Volume, Tractor (Bf)**

Species	Gross	Net
Redwood	979,576	852,318
Douglas-fir	254,996	221,847
Whitewoods	6,523	5,805
<b>Totals</b>	<b>1,241,095</b>	<b>1,079,970</b>

**Table 3. Estimated Acreage**

	Plan Area (ac.)	No Harvest (ac.)	Net Area (ac.)
Cable	253	63	190
Tractor	138	7	131
<b>Totals</b>	<b>391</b>	<b>70</b>	<b>321</b>

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

Species	QMD
Redwood	24.7
Douglas-fir	29.0
Whitewoods	23.6

## GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Bob Woods West Timber Harvest Plan (1-15-118 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/THPs2015/1-15-118MEN/](ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs/THPs2015/1-15-118MEN/).

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 felled.

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 felled 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. Additional requirements are stated in the Timber Sale Contract Item 13 B.

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 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.

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. 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 25: With the exception of JDSF Roads 345, 345D, 345 D2, 346 and 330 all roads within the THP Boundary shall be deactivated prior to the winter period and upon completion of timber operations. Includes two crossing removals

Item 30: Slash created and trees knocked down by timber operations within 100 feet of the edge of JDSF Roads 330,345, 345D, 345D2, 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.

No operations shall occur within the 0.25 mile disturbance buffer of Pentagon Grove until surveys have been submitted and approved and a minor amendment filed.

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 November 15, 2016. 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 December 30, 2016. This Agreement shall terminate on June 30, 2016, by which date all requirements of the Agreement must be completed.
3	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. The PURCHASER shall make a single payment of \$3,100.00 to the Mountain Western Log Scaling and Grading Bureau of Roseburg, Oregon within 7 days of contract approval.
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.
11	13A	All terms, provisions and requirements of the Forest Practice Rules and the Timber Harvesting Plan (1-15-118 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.
11	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.

<u>Page</u>	<u>Item</u>	<u>Description</u>
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.
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. Felled hardwoods shall be topped to the 6-inch top at the time of felling.
12	13A8	All slash created by timber operations within 100 feet of JDSF Roads 345, 345D, 345 D2 and 330 shall be lopped to the extent that no portion shall remain over 30 inches above the ground.
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	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	13A19	Mulching standard is at least 95% coverage to a minimum depth of four inches.
14	13B1	Tractor and cable roads crossing Bob Woods Trail shall be approved by the Timber Sale Officer. Tractor roads within 50' of the trail shall be slash packed or equivalent.
14	13B2	Equipment shall not operate within 25 feet of the Bob Woods Meadow.
14	13B4	Sudden Oak Death exists within the plan area. The PURCHASER shall conduct operations to limit the spread within the plan area by: <ul style="list-style-type: none"> <li>• Conducting tractor operation prior to cable operations in areas of concern</li> <li>• Inspecting all equipment for mud and debris prior to departure</li> <li>• Utilizing an equipment wash station prior to working in uninfected areas</li> <li>• Limit yarding of host species</li> <li>• No operations including felling during the wet weather periods.</li> <li>• Cleaning of boots of workers working in infected area</li> <li>• Cutting of bay trees within the Plan area within 100' of JDSF Roads 345 and 330</li> </ul>
16	13B5	35 Mbf redwood and 10 Mbf Douglas-fir shall be delivered to the Parlin Fork Camp mill site by November 15, 2016.

- 17 16 All telephone lines, ditches, pipelines, water developments, power lines, and fences; and all structures, and improvements shall be protected so far as possible in logging operations, and if damaged, shall be repaired immediately by the PURCHASER at PURCHASER's expense.
- 20 17I Where more than one timber sale must use the same road at the same time, the PURCHASER of the sale with the largest estimated timber volume to be removed over that road during the current operating season shall have the primary responsibility for routine maintenance (watering and grading) of those roads being used simultaneously.
- 21 17L The PURCHASER shall provide, haul, place and compact 50 cubic yards of 1.5" minus crushed rock for road surface improvement at locations specified by the Timber Sale Officer.
- 21 17M The PURCHASER shall install 12 rolling dips along the appurtenant roads 330 and 310
- 21 17P The PURCHASER shall provide and install one iron pipe gate at one location.
- 21 17S The PURCHASER shall deactivate roads and spurs shown on THP and TSA Maps
- 21 17U The PURCHASER agrees to keep records and furnish the STATE daily water use data with respect to water drafting activities.
- 20 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 located within 60 minute drive time.
- 34 1 A deposit of \$25,000 must be submitted with the bid.
- 35 3 Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
- 39 4 Performance security of \$50,000 required prior to contract approval.

## Bob Woods West 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 and solid orange flag
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 Orange Site-Mark® "TRUCK ROAD" in black lettering flags
Map Points	Solid orange and solid white
Equipment Exclusion Zone (EEZ) Equipment Limitation Zone (ELZ)	Solid red and solid white
Message/note	Solid green and solid white
Tractor/cable boundary	Red/white stripe
Bob Woods Trail	Pink and black stripe
Rolling Dip Installation Locations	Solid Green and Solid Pink
Areas of concern protection zones (including MAMU zone)	Orange/white stripe Site-Mark® "SPECIAL TREATMENT AREA" in black lettering