

Jackson Demonstration State Forest

**Wonder Crossing Timber Sale**

SUMMARY OF SALE INFORMATION

Bid Date:	March 15, 2017	Estimated Net Volume:	<b>6,550</b>	MBF
Minimum Bid:		THP Number:	1-16-118 MEN	
Redwood	\$625 /Mbf	Information:	Julie Rhoads	
Fixed Price:		Phone:	(707) 964-5674	
Douglas-fir	\$100 /Mbf	Date:	1/20/2017	
whitewoods	\$100 /Mbf			

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

Species	Gross	Net	% Defect & Breakage	% Species Comp.
Redwood	2,697,636	2,346,940	13%	36%
Douglas-fir	4,330,795	3,767,790	13%	58%
Whitewoods	489,233	435,420	11%	7%
Totals	7,517,665	6,550,150		100%

Table 2a. Estimated Volume, Cable (Bf)

Species	Gross	Net
Redwood	1,332,958	1,159,670
Douglas-fir	2,387,208	2,076,870
Whitewoods	212,019	188,700
Totals	3,932,185	3,425,240

Table 2b. Estimated Volume, Tractor (Bf)

Species	Gross	Net
Redwood	1,364,678	1,187,270
Douglas-fir	1,943,587	1,690,920
Whitewoods	277,214	246,720
Totals	3,585,480	3,124,910

Table 3. Estimated Acreage

	Plan acres	WLPZ	VR Retention	Net acres
Cable	259	61	12	186
Tractor	173	8	1	164
Totals	432			350

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

Species	
Redwood	24
Douglas-fir	27
Whitewoods	22

## GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Wonder Crossing Timber Harvest Plan (# 1-16-118 MEN) apply. One complete copy will be provided to the LTO. 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/THPs2016/1-16-118MEN/](ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs/THPs2016/1-16-118MEN/)

### TIMBER HARVESTING PLAN

Item 14d: The sale includes both a cut and leave tree mark.

In the Selection units, trees will be marked with blue paint. This includes hardwoods.

In the VR units, conifers and hardwoods will be either marked with orange paint or flagged with Special Treatment Flagging for retention. In the VR units' WLPZ and ELZ areas, trees will be marked for harvest with blue paint.

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: All hardwoods designated within the plan area are to be felled, topped, and may be removed on request.

Slash at tractor landings is to be spread on skid trails and packed with tractors. Slash at cable landings will be disposed of as directed by the Timber Sale Officer.

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.

Refer to Geologic Recommendations for avoidance of unstable areas, specific site recommendations, and Variable Retention Special Treatment Areas.

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

A winter and extended wet weather operating plan is included in Item 23 and shall be adhered to.

Item 25: JDSF temporary roads and associated landings shall be deactivated annually prior to the winter period and upon completion of timber operations.

Item 26: A limited number of trees have been marked for harvest within Class I and II WLPZs. See Item 14 for cable corridor trees.

Item 30: Slash created within 50 feet of gated JDSF seasonal roads shall be lopped to within 30 inches of the ground.

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	At least 3.5 MMBF of merchantable timber designated for cutting shall be paid for, cut and delivered on or before October 15, 2017. This date may be extended or the required volume may be adjusted mutually by the STATE and the PURCHASER due to unforeseen circumstances. All remaining merchantable timber designated for cutting shall be paid for and felled, and all other timber operations shall be completed by November 15, 2018. This Agreement shall terminate on May 15, 2019, 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	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.  Daily water use data with respect to water drafting activities shall be provided.
5	8	Domestic Processing of timber is 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, regardless of the level of harvest activity on this sale; this payment shall be made to the Mountain Western Log Scaling and Grading Bureau of Roseburg, Oregon within 7 days of contract approval.
7	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 (#1-16-118 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.

<u>Page</u>	<u>Item</u>	<u>Description</u>
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.
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 distances 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 50 feet of seasonal and permanent JDSF roads shall be lopped to 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.
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	13A20	Mulching standard is at least 95% coverage to a minimum depth of four inches.
16	17D	All required culvert installations to be complete prior to log hauling on existing roads prior to October 15 of the first year of operations.
17	17H	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.
18	17J	If the STATE cannot provide water for the roads and the Timber Sale Officer directs the purchaser to provide water from an alternative source the STATE will compensate the Purchaser \$270/mile that the Purchaser supplied water from an alternative source.
18	17M	The purchaser shall prepare and paint existing gates at JDSF Road 70.

<u>Page</u>	<u>Item</u>	<u>Description</u>
18	17N	The purchaser shall cut roadside brush and thin and prune trees within 10 feet of Road 73 and 79.
19	17O	The purchaser shall abandon one mile of Road 70 and associated crossings.
19	17P	The purchaser shall deactivate roads and crossings as prescribed.
20	20	In addition to required fire tools complement, the purchaser shall 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. The "water wagon" shall be located within a 60 minute drive to the sale area.
22		Materials list.
23-24		Map Points.
39	1	A deposit of \$50,000 must be submitted with the bid.
40	3	Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
44	4	Performance security of \$100,000 required prior to contract approval.

## Wonder Crossing 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 II watercourse	Blue/white stripe
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
Road Inventory Points	Solid orange and solid yellow
Equipment Exclusion Zone (EEZ) Equipment Limitation Zone (ELZ)	Solid red and solid white
Silviculture Boundary	Green-glo Site-Mark® "SILVICULTURE BOUNDARY" in black lettering & solid pink-glo
Tractor road (skid trail)	Solid yellow "SKID TRAIL" in black lettering
Message/note	Pink/black stripe & lime green (combination)
Unstable areas, protection zones (including NSO core zone)	Orange/white stripe Site-Mark® "SPECIAL TREATMENT AREA" in black lettering & solid orange
Forest-wide inventory plot and messaging	Red and lime green