

Jackson Demonstration State Forest
West Berry Gulch 2012 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	March 6, 2012	Estimated Net Volume:	4,712,590 MBF
Minimum Bid:		THP Number:	1-11-097 MEN
Redwood	\$375 /Mbf	Information:	Jason Serna
Fixed Rate		Phone:	(707) 964-5674
Douglas-fir/Whitewoods	\$20/Mbf		

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	4,047,400	3,521,240	13%	74.7%
Douglas-fir	1,037,000	902,190	13%	19.1%
Whitewoods	324,900	289,160	11%	6.1%
Totals	5,409,300	4,712,590	13%	100%

* Volume includes 80,000 BF of redwood and 10,000 BF of Douglas-fir to be delivered to Parlin Fork

Table 2a. Estimated Volume, Cable (Bf)

Species	Gross	Net
Redwood	1,576,000	1,371,120
Douglas-fir	399,600	347,650
Whitewoods	127,000	113,030
Totals	2,102,600	1,831,800

Table 2b. Estimated Volume, Tractor and ROW (Bf)

Species	Gross	Net
Redwood	2,471,400	2,150,120
Douglas-fir	637,400	554,540
Whitewoods	197,900	176,130
Totals	3,306,700	2,880,790

Table 3. Estimated Acreage

	Plan acres	No mark WLPZs and NSO	Net acres
Cable	139	49	90
Tractor and Road	206	21	185
Right-of-Way			
Totals	345	70	275

Table 4. QMD by Species and Unit

Species	QMD
Redwood	22
Douglas-fir	22
Whitewoods	20

* QMD Excludes Estimated Volume Removed for Corridors , 12.5% of Total Gross Volume

GENERAL INFORMATION:

The list below is not intended to be all inclusive and all requirements of the West Berry Gulch Timber Harvest Plan apply. Copies of Sections I and II of the THP are available by request from the State Forest headquarters. One complete copy will be provided to the LTO.

TIMBER HARVESTING PLAN:

Item 14d: Group Selection: Only three group opening has been designated. The boundary of the openings was delineated with red/black striped flagging. Outside of the group opening, harvest trees are marked with a blue paint stripe at approximately breast height on at least two sides, plus a base mark near ground level.

Road right-of-way: Proposed logging roads are centerline flagged with solid orange Site-Mark® "TRUCK ROAD" in black lettering. The clearing limits are designated with two vertical orange stripes that are painted on trees to be retained and are facing the centerline. All trees between the clearing limits are proposed for harvest. If necessary to provide adequate clearance for road construction, additional trees may be harvested upon approval of the responsible RPF.

Unmarked trees may be felled in the following situations:

1. To provide safe operation corridors for skyline cable operations (See Item 14g 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 14g below.

Item 14f: All hardwoods marked 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: 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 WLPZ. 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.

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.

TREES SUBSTANTIALLY DAMAGED BY LOGGING OPERATIONS:
Damaged trees may not be felled if within a WLPZ, if marked for retention, or if the damaged tree has a cavity used by wildlife. Otherwise, merchantable young growth trees damaged during timber operations shall be felled as approved and directed by the plan submitter.

Item 15a: 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 18: Soil stabilization treatments required under item 18 will be accomplished using native grass seed or benign non-native grass species and weed free straw.

At Map Point G1 a pre-operation field meeting should be conducted with the geologist and operator to review options for reopening this section of road.

Item 23: Wet weather road use plan (applies year round)

Item 25: Mitigations for Geology points G1 and G2

Road construction on slopes over 50% is full bench end haul.

Waterbar spacing for roads with grades greater than 15% is specified.

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. There is a water drafting plan and JDSF has an approved 1600 permit for the drafting sites.

Item 30: Slash created and trees knocked down by timber operations within 100 feet of the edge of County Road 408 and JDSF Road 500 shall be treated for hazard reduction.

Item 32: There is no known Northern Spotted Owl (NSO) activity centers located within the plan area. No timber operations shall occur after February 1st until a current letter of technical assistance is amended into the THP.

Item 33: Retain all snags within the timber harvest area, with the exception of snags that pose a fire or safety hazard, or are within the alignment of roads proposed for construction.

Copies of Sections I and II of the THP are available by request from the State Forest headquarters.

TIMBER SALE AGREEMENT

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2	2	A deposit of \$34,000 must be submitted with the bid.
3	3	Four hundred thousand board feet of timber to be felled and paid for by June 30, 2012; additionally, 2.5 million board feet shall be paid for, cut and delivered by June 30, 2013. All remaining merchantable timber designated for cutting shall be paid for, cut and delivered and all other timber operations completed by November 15, 2013.
3	4	All trees marked for cutting, whether merchantable or not, shall be felled.
4	4	Production and cost data with respect to all timber harvesting operations and other forestry activities conducted pursuant to this agreement, including road rocking, crossing installation/removal, slash abatement and installing water breaks and rolling dips.
6	7b	<p>Payment for all scaling and reporting services performed by the scaling organization(s) shall be made by the PURCHASER of State Forest timber, and the STATE assumes no responsibility in this regard.</p> <p>The use of a STATE approved third party log and load reporting service (LLRS) is required. PURCHASER shall ensure that log volume measurement data is received by the LLRS within one business day of logs being measured. All expenses associated with this service shall be paid by the PURCHASER.</p>
9	7o	The PURCHASER shall paint the last three digits of the load receipt number on the rear end of each of the two outside bunk logs of each load.
9	7p	Weekly reports of falling scale by unit are required.
10	8d	To the extent feasible and with due consideration given to topography, lean of trees, local obstructions, and safety factors, trees to be harvested shall be felled to lead in a direction away from watercourses, study/demonstration blocks, and County Road 408.
11	8g	When approved in writing by the STATE, hardwood trees felled, knocked down or damaged by logging operations may be removed by the PURCHASER under conditions prescribed by the STATE. Harwood trees shall be topped at the time of felling.

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11	9	The PURCHASER shall notify and obtain approval from the STATE in advance on each occasion of conducting timber operations in the sale area on weekends or State holidays.
11	10	All terms, provisions and requirements of the timber harvesting plan (1-11-097 MEN) and Forest Practice Rules for the Coast Forest District apply.
12	10a	A pre-work conference and logging plan are required
12	10b	No timber operations 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.
13	10c	The locations of all existing skid trails to be reused and new skid trails to be constructed shall be flagged by the Timber Operator at least two weeks prior to their intended use.
13	10e	At all times of the year, 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 the day if the U.S. Weather Service forecast is a "chance" (30 percent probability or more) or rain before the next working day, or at any time that the equipment needed to install such structures leaves the sale area.
14	10g	Limbing and bucking of timber immediately after felling. Hardwoods to be topped at the time of felling. All slash created by timber operations within 100 feet of County Road 408 and JDSF Roads 500 and 740 shall be lopped to the extent that no portion shall remain over 30 inches above the ground. Prior to October 15 of each operating season, and concurrent with lopping activities conducted after that date, slash and other logging debris shall be removed from truck road surfaces, cut banks, ditches and berms, and from the inlets and outlets of culverts, unless otherwise directed by the Timber Sale Officer.
14	10h	On all pre-existing skid, new skid trails and new road construction, slash and logging debris shall be packed by a dozer for a minimum of 100 feet from JDSF Road 500 and County Road 408.

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16	10j	Unmarked trees may not be cut in the channel zone of class I and II watercourses. Unmarked trees may only be cut for cable corridors within the WLPZ of a class I watercourse with permission from the Sale Officer.
17	10q	Within the flagged group selection opening, all tanoaks shall be felled, bucked and limbed to a 6 inch diameter top.
17	10r	The PURCHASER shall slash and lop the flagged group selection opening. Slashing shall be accomplished by felling all unmerchantable vegetation, not designated for leave that remains after logging. Slash shall be lopped to a height of 30 inches. The Timber Sale Officer may prescribe retention of healthy submerchantable conifers. Slashing shall be conducted within 30 days of completion of timber operations.
17	10s	The PURCHASER shall only use the designated landing for the group selection openings. All other timber shall be skidded to a landing at least 300 from the designated landing.
18	11	In order to minimize the spread of gorse by off-road equipment that was operated in the Gorse Management Area, the PURCHASER shall be required to follow the two part cleaning procedure or implement an alternative equipment cleaning procedure approved by the Timber Sale Officer.
21	15a(6)	Seasonal roads will be outsloped (2-5%) without a berm or ditch. Rolling dips will be constructed on road grades of 10% or less prior to hauling. Where grade of permanent or seasonal roads is more than 7%, waterbreaks or other suitable forms of water dispersal, shall be installed by bulldozer at completion of use of the road for log hauling, but prior to final road grading. The Sale Officer will specify the location for the drainage structure prior to final road grading.
21	15a(8)	When building new road off of County Road 408 the PURCHASER shall not cut into the running surface of the existing road.
23	15f	Water drafting for dust abatement shall be done according to the guidelines specified in the THP and the DFG 1600 permit.
25	15g	There are approximately 1.3 miles of seasonal road to construct.

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25	15h	At three locations the PURCHASER shall build new road using full bench construction (Exhibit A).
25	15k	The PURCHASER shall provide and apply lignin (or equivalent dust treatment substance acceptable to the STATE) on approximately 1.5 miles of road.
29	27	Performance security of \$68,000 required prior to contract approval.

WEST BERRY GULCH 2012 FLAGGING CODE

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting area	Solid pink-glo and/or pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class I watercourse	Solid blue
Class I WLPZ	Blue/white Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering AND solid blue
Class II watercourse	Blue/white stripe
Class II WLPZ	Blue/white Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering
Class III watercourse	Blue/white polka-dot
Tractor/cable boundary	Red/white stripe
Tractor road (skid trail)	Solid yellow Site-Mark® "SKID TRAIL" in black lettering
Road grade centerline	Solid orange and/or solid orange Site-Mark® "TRUCK ROAD" in black lettering
Landing at end of road	Three flags of solid orange and/or solid orange Site-Mark® "TRUCK ROAD" in black lettering
Message flag	Pink/black stripe
Survey stations, Cruise stations	Red/white polka-dot
Group Opening	Red/black stripe
Study/Demonstration Block	Red/white checkered or purple
Equipment Limitation Zone (ELZ)	Solid red and solid white