

**Jackson Demonstration State Forest
Scissors #2 - 2012 Timber Sale
SUMMARY OF SALE INFORMATION**

Bid Date:	March 13, 2012	Estimated Volume:	3,310 MBF
Minimum Redwood Bid:	\$370.00 /Mbf	THP Number:	1-11-099 MEN
Minimum Douglas-fir Bid:	\$75.00 /Mbf	Phone:	(707) 964-5674
Fixed Price Whitewoods	\$20.00 /Mbf		ext. 118

Information: Dave Derby

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	1,436,475	1,249,730	13%	38%
Douglas-fir	2,155,395	1,875,190	13%	57%
Whitewoods	207,750	184,900	11%	6%
Totals	3,799,620	3,309,820		100%

Table 2a. Estimated Volume, Cable (Bf) (195 acres) 71%

Species	Gross	Net
Redwood	897,585	780,900
Douglas-fir	1,737,255	1,511,410
Whitewoods	66,300	59,010
Totals	2,701,140	2,351,320

Table 2b. Estimated Volume, Tractor (Bf) (69 acres) 29%

Species	Gross	Net
Redwood	538,890	468,830
Douglas-fir	418,140	363,780
Whitewoods	141,450	125,890
Totals	1,098,480	958,500

Table 3. Estimated Acreage

	Plan acres		Net acres
		No-mark Class I & IIL WLPZ	
Cable	195	27	222
Tractor	69	0	69
Roads and powerline	8	0	8
Totals	272	27	299

Table 4. Quadratic Mean Diameter by Species (does not include cable corridor trees)

Species	DBH in inches
Redwood	23
Douglas-fir	28
Whitewoods	23

The estimated volume is based on a point sampling cruise using a 40 BAF
Tree volumes are based on diameter and JDSF's local volume table.

GENERAL INFORMATION:

The list below is not intended to be all inclusive and all requirements of the Scissors #2 - 2012 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: Harvest trees shall be marked with blue paint using a horizontal stripe at approximately breast height and a stump mark below the cut line.

Item 14f: Marked tanoak will be harvested to reduce the competition with conifers. Madrone and chinquapin are not proposed for harvest except as necessary to facilitate yarding operations and for safety.

Slash generated at tractor and cable landings shall be spread on the landing, placed in a burn pile or removed in a manner which will leave roads passable by logging truck. For tractor landings, slash may be spread along skid trails within the tractor yarding portions of the harvest area. Slash generated at any location may also be treated by chipping with permission of the RPF.

Item 14g: 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; trees felled for safety may be harvested.

Item 15b: 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: Tail holds located outside the plan boundary shall be considered part of the logging area. Where tail holds are located outside the plan boundary, existing stumps shall be used to the extent feasible. Live trees may be used for tail holds where no suitable stumps exist.

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

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

Restrictions for geology map points 4, 8, and 9.

Item 21: All tractor operation restrictions apply.

- Item 23: Year round wet weather restrictions apply.
- A winter operating plan is included in item 23 and shall be adhered to.
- Item 25: Instructions for reuse and abandonment of temporary spur road 325A.
- Instructions for the placement of "Truck Crossing" signs.
- Waterbar spacing for Roads with grades greater than 15% is specified.
- Road drainage instructions adjacent to the unstable area at map point #6.
- Item 26: See item 14 for cable corridor trees.
- There is a water drafting plan.
- Item 30: Slash treatments are required within 100 feet of State Highway 20 and within 50 feet of all other roads.
- Item 32: No timber operations shall occur after February 1st until a current letter of Northern Spotted Owl technical assistance is received from USFWS.
- A historic osprey nest site a map point #7 shall be protected.
- A population of rare Oregon goldthread plants at map reference point #5 shall be protected.
- Item 33: Retain all snags unless they pose a safety hazard.
- Item 36: A meeting is required prior to operations.

TIMBER SALE AGREEMENT

<u>Page</u>	<u>Section/item</u>	
2	2	A deposit of \$16,000 must be submitted with the bid.
3	3	At least 1.5 MMbf of timber shall be paid for and cut by June 30, 2013. All remaining timber removed and all operations completed by November 15, 2013.
3	4	All trees marked for cutting, whether merchantable or not, shall be felled.
3, 4	4	Production and cost data with respect to all timber harvesting operations, slash treatments and road work are required.
4	5	All logs are to be branded prior to removal from the sale area.
5	6	The minimum log dimensions for utilization purposes will be 8 feet in length and 6 inches in small-end diameter.
5	7	All timber scaled by "third party" scaling organization.
5, 6	7b	Purchaser is responsible for payment of scaling and reporting. 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.
8	7o	Paint the last three digits of the load number on the rear end of each of the two outside bunk logs of each load.
8	7p	Weekly reports of falling scale by unit are required.
10	9	Notification and permission is required for operations on weekends or State holidays.
10	10	All terms, provisions and requirements of the timber harvesting plan (1-11-099 MEN) and Forest Practice Rules for the Coast Forest District apply.
11	10a	A pre-work conference and logging plan are required.
11	10b	No timber operations after January 31 of any year until a current northern spotted owl NO TAKE Certification is amended into the THP.

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- 12 10c Flagging of skid trails required at least two weeks in advance.
- In order to limit the spread of invasive plants, no more than 3 skid trails may be used to move timber across the P G & E power line right-of-way.
- 12 10e Erosion control requirements apply year-round.
- Tractors shall not be used to forward logs on well established truck roads (bed and grade established) unless specifically approved.
- All wet weather and winter period operations of the THP apply. Timber operations may be suspended by the sale officer if damage is occurring.
- 13 10g Limbing and bucking of timber shall be done immediately after felling.
- All slash created by timber operations within 100 feet of State Highway 20 and within 50 feet of other permanent and seasonal roads shall be lopped or otherwise treated.
- 13 10h Slash will be disposed of as directed by the sale officer. Slash packing of skid trails is preferred.
- A 10 foot wide fire line is required around slash piles, waterbarred at time of construction. 80 lb kraft paper is required to cover a portion of each burn pile.
- 14-15 10j Cable yarding system requirements are given.
- Unmarked trees may only be cut for cable corridors within the WLPZ of a class I watercourse with permission from the Sale Officer.
- Tail holds shall not be located within the flagged research area north of Road 300 without approval of the Timber Sale Officer.
- 15 10k No permanent painted messages. Use temporary signs to be removed once their function is complete.
- 15 10m Warnings signs are required for cable lines across roads. The Sale Officer may request that the road be blocked and/or flaggers used.

Page Section/Item

- 17 14a(3) Road width is 14 feet including 1 foot shoulder on each side of a 12 foot traveled surface. Width may be wider on curves.
- 18 14a(6) Seasonal roads will be outsloped (2-5%) without a berm or ditch. Rolling dips will be constructed on road grades of 7% or less prior to hauling. Waterbars will be installed on roads greater than 7% prior to final road grading.
- 19 14d Stream crossing replacement work is required prior to hauling on those roads (See Exhibit C). Materials are specified in Exhibit B.
- 20, 21 14f Water drafting for dust abatement shall be done according to the guidelines specified in the THP and DFG 1600 permit.
- 22 14i The PURCHASER shall provide, haul, place 60 yards of 1-3" crushed rock for road stabilization at locations specified by the Timber Sale Officer.
- 22 14j The PURCHASER shall abandon road 325A at locations at locations shown on Exhibit A and described in the Timber Harvesting Plan.
- 22 14k With two weeks notice the roads shall be made available for events or tours.
- 22 14l Temporary "Truck Crossing" signs shall be installed at the intersections of State Highway 20 and forest roads 321 and 325.
- 24 17 "Water wagon" capable of carrying 1000 gallons with 150 feet of 1 ½" hose with national standard thread fittings and nozzle shall be readily available.
- 25 26 A performance security of \$32,000 is required.

SCISSORS #2 - 2012 THP FLAGGING CODE

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
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*
Equipment Limitation Zone (ELZ) & Equipment Exclusion Zone (EEZ)	solid red & solid white (combination)
Property Line	solid red Site-Mark® "PROPERTY LINE" in black lettering
Special Treatment Area	orange/white stripe Site-Mark® "SPECIAL TREATMENT AREA" in black lettering
Special Treatment linear feature	Orange/white stripe
Faller Strip	solid pink*