

Jackson Demonstration State Forest
South Whiskey Springs 2011 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	February 22, 2011	Estimated Volume:	2,973 MBF
Minimum Bid:		THP Number:	1-09-103 MEN
Redwood	\$260 /Mbf	Information:	Jason Serna
Fixed price:		Phone:	(707) 964-5674
Douglas-fir	\$ 10 /Mbf		
Whitewoods	\$ 10 /Mbf		

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	1,820,680	1,583,990	13%	53%
Douglas-fir	1,578,650	1,373,430	13%	46%
Whitewoods	17,765	15,810	11%	1%
Totals	3,417,095	2,973,230	13%	100%

Table 2a. Estimated Volume, Cable (Bf) (149 acres)

Species	Gross	Net
Redwood	1,277,840	1,111,720
Douglas-fir	1,151,110	1,001,470
Whitewoods	10,965	9,760
Totals	2,439,915	2,122,950

Table 2b. Estimated Volume, Tractor (Bf) (63 acres) & Road Right-of-Way (Bf)

Species	Gross	Net
Redwood	542,840	472,270
Douglas-fir	427,540	371,960
Whitewoods	6,800	6,050
Totals	977,180	850,280

Table 3. Estimated Acreage

	Plan acres	No mark WLPZs and NSO	Net acres
Cable	149	53	96
Tractor and Road Right-of-Way	63	2	61
Totals	212	55	157

Table 4. Mean Diameter by Species

Species	DBH in inches
Redwood	20
Douglas-fir	23
Whitewoods	21

GENERAL INFORMATION:

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

TIMBER HARVESTING PLAN:

Item 14d: Group Selection: Only one two-acre group opening has been designated. The boundary of the opening 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 yellow 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 14g: CABLE CORRIDORS: Outside of the WLPZ, to the extent possible cable yarding corridors shall be limited to 10 feet in total width, with the understanding that some corridors may be wider as a result of silviculture prescription or harvesting trees that have been substantially damaged by timber operations. Cable corridors shall be pre-planned and pre-located by the LTO.

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.

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: Wet weather road use plan (applies year round)
- Item 20: Refer to the Operations Map for skid trail locations within cable ground. In addition, tractors may be used on slopes up to 20 percent to construct fire lines around concentrations of slash at cable landings provided there are no other limitations on tractor use.
- Item 25: Abandonment of approximately 1200 feet of Road 560 involves the removal of ditch relief culverts at Road Points 1960, 2050 and 2150.
- Item 26: The Class I watercourse will have 150 foot no-cut WLPZ (except for harvest of cable corridor trees where needed). Class II watercourses will have 50 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 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.

There is no known potential marbled murrelet habitat within the plan area. There is potential murrelet habitat just east of the THP along the Little North Fork Big River. This area is referred to as the "14 Gulch East" stand, and is within the standard disturbance buffer of 0.25 miles. Surveys will be conducted in 2010 and 2011 to determine the classification of the stand (i.e., absence, presence, or occupied). During the survey period the following

protection measures are required to avoid a "take" or adversely affect marbled murrelets.

- 1) The 14 Gulch West stand shown on the attached map (See Section II Attachments) shall be considered potential suitable nesting habitat for marbled murrelets.
- 2) No timber harvesting activities, including felling, yarding, skidding, hauling, site preparation, road/skid trail/landing construction, or any other vegetation modification shall occur in the stand or within 300 of the stand. This restriction is in effect year-round.
- 3) No timber harvesting activities, including felling, yarding, skidding, hauling, site preparation, road/skid trail/landing and watercourse construction and maintenance shall occur within 0.25-mile of the stand during the marbled murrelet breeding season March 24 to September 15. This restriction does not apply to State Highway 20.

No marbled murrelets were detected during the 2010 survey. THP operational restrictions will be in effect until the 2011 survey is completed and approved by DFG. If the area's status remains "absence" following the 2011 survey, the 0.25-mile restriction should be lifted by July 30, 2011.

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 proposes for construction.

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

TIMBER SALE AGREEMENT

<u>Page</u>	<u>Section</u>	<u>Item</u>
2	2	A deposit of \$25,000 must be submitted with the bid.
3	3	Five hundred thousand board feet of timber to be felled and paid for by June 30, 2011, remainder shall be paid for and felled and all other timber operations completed by October 15, 2012.
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	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 property lines.
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.

<u>Page</u>	<u>Section</u>	<u>Item</u>
11	9	No operations on weekends or holidays from Memorial Day through Labor Day without approval from the STATE in advance on each occasion.
12	10b	No timber operations after February 1 of any year until a northern spotted owl NO TAKE Certification is amended into the THP.
13	10e	Erosion control requirements apply year-round. 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	All slash created by timber operations within 100 feet of Road 571 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	The PURCHASER is responsible for building a 10-foot wide fire line around all slash piles that are on slopes greater than 20%. Where slash is piled for burning, the PURCHASER shall provide a sufficient quantity of 80 lb water resistant kraft paper and shall cover a minimum 10-foot by 20-foot section near the center of each pile, weighting the paper adequately to hold it in place during windy weather.
17	10q	Within the flagged group selection opening, all tanoak 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

Page Section Item

healthy submerchantable conifers. Slashing shall be conducted within 30 days of completion of timber operations.

- 19 14a(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.
- 23 14f(1) Water drafting for dust abatement shall be done according to the guidelines specified in the THP Page 38, and a DFG 1611 permit.
- 23 14g There are approximately 1.6 miles of seasonal road to construct.
- 24 14h At two locations the PURCHASER shall build new road using full bench construction (Exhibit A).
- 24 14i The PURCHASER shall provide locks and double locking plates or pins, as needed, for each gate used by the PURCHASER or by the PURCHASER's contractors for access to the sale area or other work area, and shall immediately replace locks and plates or pins that may be lost during operations. Locks provided by the PURCHASER may be keyed or combination if needed for use by the PURCHASER or contractors; the STATE will provide locks for use by STATE personnel. The STATE shall be given keys or the combination for each of the PURCHASER's locks to ensure that the STATE always has access through the gates.
- 24 14k The PURCHASER shall provide, haul, place and compact 300 cubic yards of 3" minus coarse crushed rock for road stabilization at locations specified by the Timber Sale Officer.
- 28 26 Performance security of \$40,000 required prior to contract approval.

SOUTH WHISKEY SPRINGS 2011 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