

Jackson Demonstration State Forest
14 Gulch 2011 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	March 8, 2011	Estimated Net Volume:	1,658 MBF
Rater Per MBF		THP Number:	1-08-081MEN
Minimum Bid	Redwood \$190.00	Phone:	(707)964-5674
	Douglas-fir \$10.00	Information:	David Ahmadi
	Whitewoods \$10.00		

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	987,139	858,810	13%	52%
Douglas-fir	798,456	694,660	13%	42%
Whitewoods	117,822	104,860	11%	6%
Totals	1,903,417	1,658,330	13%	100%

Table 2a. Estimated Volume, Cable and WLPZ (Bf)

Species	Gross	Net
Redwood	696,314	605,790
Douglas-fir	539,687	469,530
Whitewoods	75,545	67,240
Totals	1,311,546	1,142,560

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

Species	Gross	Net
Redwood	290,285	253,020
Douglas-fir	258,769	225,130
Whitewoods	42,277	37,630
Totals	591,871	515,780

Table 3. Estimated Acreage

	Plan acres	NSO Buffer	Other No Harvest Buffers	Net acres
Cable	145	10.5	5	129
Tractor	60	2	27.0	31
Right-of-Way	5			5
WLPZ	25			25
Totals	235	12.5	32	190

Table 4. QMD by Species

Species	DBH in inches
Redwood	17.6
Douglas-fir	23
Whitewoods	17

GENERAL INFORMATION:

The list below is not intended to be all inclusive and all requirements of the 14 Gulch Timber Harvest Plan apply. Copies of Sections I and II of the THP are available by request from the State Forest headquarters. 1 complete copy will be provided to the LTO.

TIMBER HARVESTING PLAN:

Item 14d: Road right-of-way: Cluster/single tree selection: All harvest trees are marked with blue paint. This includes hardwoods which must be harvested.

Right-of-way boundary trees are painted with two vertical orange stripes. Trees to be felled within the right-of-way are not marked.

Mapped landings have been flagged and right-of-way has been marked the same as the Road right-of-way. Additional landings will need to be approved by the Timber Sale Officer.

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: No trees shall be felled within the class I WLPZ. Unmarked trees within the inner 30' of class II WLPZ shall not be felled. Trees felled within the outer 75' of class II WLPZ for corridors shall be harvested.

Damaged trees that are within the WLPZ, marked for retention, or trees that have cavities shall be left.

Item 15b: No pine trees shall be felled except for road construction and safety. If pines are felled they shall be limbed and bucked according to the rules.

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 restrictions apply year round.

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

WLPZ roads and areas within the WLPZ where operations expose mineral soil equal to or greater than 100 sq. ft shall be treated as stated above.

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

Restrictions for geology map points 1, 3, 4, 5 and 6 apply. Construct road as full bench and end haul spoils.

Item 20: Ground based equipment shall not be used in cable areas except for long lining from areas designated for ground based equipment. Equipment may be used as tailholds from roads and landings.

Item 21: All tractor operation restrictions apply. Class III EEZ has been flagged with a red flag and a white flag.

Item 23: Year round wet weather restrictions always apply.

A winter operating plan is included in item 23 and shall be adhered to.

Item 25: full bench construction is required at geologic points 1 and 3 as well as areas shown on the THP map on slopes over 65%.

Item 26: No trees shall be felled in the class I WLPZ for any reason.

Unmarked trees within the inner 30' of the class II WLPZ shall not be felled.

Class III EEZ has been flagged with one red flag and one white flag.

There is a water drafting plan and a 1603 permit.

Item 27: All bare mineral soil exposed by operations within the WLPZ shall be seeded with native grass seed or "weed-free" non-native grass species at a rate of 25 pounds per acre and straw mulched with "weed free" straw to 90% coverage. No sidecasting of mineral soil shall occur within the WLPZ.

Abandoned roads shall be blocked to vehicular passage..

Item 30: Slash treatments are required within 100 feet of highway 20 and within 100 feet of any road that is not blocked to vehicle passage as directed by the Timber Sales Officer.

Item 32: No timber operations shall occur after February 1st until a current letter of technical assistance is received from USFWS.

Item 36: A meeting is required prior to operations.

Item 38: The LTO shall pre-flag skid trails. The primary road drainage shall be outsloping and rolling dips on grades of 7% and less and waterbreaks will be used on grades greater than 7%.

TIMBER SALE AGREEMENT

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2	2	A deposit of \$15,000 must be submitted with the bid.
3	3	200 thousand feet of timber to be felled and paid for by June 30, 2011, remainder by October 15, 2011. All timber removed and all operations completed by November 15, 2010.
4	4	All trees marked for cutting, whether merchantable or not, shall be felled. Production and cost data with respect to all timber harvesting operations, slash treatments and road work are required.
5	5	All logs are to be branded prior to removal from the sale area.
6	6	The minimum log dimensions for utilization purposes will be 8 feet in length and 6 inches in small-end diameter.
6	7	All timber scaled by "third party" scaling organization.
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

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6	7b	associated with this service shall be paid by the PURCHASER.
10	7p	Weekly reports of falling scale by unit are required.
12	9	Notification and permission is required for operations on weekends or State holidays.
12	10	All terms, provisions and requirements of the timber harvesting plan (1-08-81 MEN) and Forest Practice Rules for the Coast Forest District apply.
12	10a	A pre-work conference and logging plan are required.
13	10b	No timber operations after February 1 of any year until a current northern spotted owl NO TAKE Certification is amended into the THP.
13	10c	Flagging of skid trails required at least two weeks in advance.
14	10e	Erosion control requirements apply year-round. Hauling restrictions apply any time of year that it rains 1/4" as measured in Fort Bragg. All wet weather and winter period operations of the THP apply. Timber operations may be suspended by the sale officer if damage is occurring.
14	10g	Limbing and bucking of timber immediately after felling. All slash created by timber operations within 100 feet of permanent and seasonal roads including State Highway 20 that have not been designated by the Timber Sale Officer to be blocked to vehicle passage shall be lopped.
15	10h	Slash will be disposed of as directed by the sale officer. 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. Sorting of firewood from other waste materials is required.
15	10j	Cable yarding system requirements are given. Trees may not be cut for cable corridors within the WLPZ of a class I watercourse. Unmarked trees may not be cut within the inner 30 feet of class II watercourses
17	10k	No permanent painted messages. Use temporary signs to be removed once their function is complete.

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20	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.
20	14a(5)	Balanced cut and fill on slopes 50% and less. Full bench end haul on slopes greater than 50%.
20	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. The Sale Officer will specify the location for drainage structures on roads greater than 7% prior to final road grading.
21	14d	Stream crossing repair, upgrade and removal are required.
23	14f(1)	Water drafting for dust abatement shall be done according to the guidelines specified in the THP Pages 28-36.1 and DFG 1600 permit.
24	14g	There are approximately 1.75 miles of seasonal roads to construct.
25	14h	The Purchaser shall reshape approximately .19 miles of existing forest roads.
25	14i	The PURCHASER shall obtain a permit (Double permit) for, pay application fee, place performance bond, obtain engineering services as needed, provide as is plans for, construct and maintain one paved encroachment to Highway 20 to comply with CALTRANS standards.
25	14ij	Construct one new gate at the new encroachment.
26	14m	The PURCHASER shall provide, haul, place and compact 50 cubic yards of 3" minus crushed rock for road stabilization at locations specified by the Timber Sale Officer.
26	14o	Road abandonment and blockage to vehicles is required.
22	14q	With two weeks notice the roads shall be made available for events or tours.
28	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.
24	26	Performance security of \$75,000 required.

14 GULCH 2009 FLAGGING CODE

	FLAGGING COLOR
Timber harvesting area	Pink with "Harvest Boundary"
Truck road	Orange with "Truck Road"
Skid trail	Yellow with "Skid Trail"
Equipment Exclusion zones	Red flag with white flag
Tractor/cable boundary	White flag with red diagonal stripes
Watercourse and Lake Protection Zone (WLPZ)	Blue and white diagonal stripes with "Watercourse and Lake Protection Zone"
Class III watercourse	blue-white polka-dot
Class II watercourse	blue/white stripe
Class I watercourse	Solid blue
Two flags together	Intersection (i.e. two skid trail flags or two truck road flags)
Three flags together	End of trail, road, or watercourse
Special treatment zone	Unstable areas, protections zones
Existing culvert	Yellow flag with orange flag range paint
Road Point/landing	Orange flag with white flag
Message flag	pink/black diagonal stripe and solid color
Cross road drain	Pink flag with white flag
Survey stations, Cruise stations	red-white polka-dot