

Jackson Demonstration State Forest
14 Gulch 2009 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	April 28, 2009	Estimated Net Volume:	1,686 MBF
Rater Per MBF	Redwood TBD	THP Number:	1-08-081MEN
	Douglas-fir \$10.00	Phone:	(707)964-5674
	Whitewoods \$ 5.00	Information:	David Ahmadi

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	908,447	790,350	13%	47%
Douglas-fir	886,912	771,610	13%	46%
Whitewoods	139,132	123,830	11%	7%
Totals	1,934,491	1,685,790	13%	100%

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

Species	Gross	Net
Redwood	579,587	504,240
Douglas-fir	544,612	473,810
Whitewoods	85,162	75,790
Totals	1,209,361	1,053,840

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

Species	Gross	Net
Redwood	328,860	286,110
Douglas-fir	342,300	297,800
Whitewoods	53,970	48,030
Totals	725,130	631,940

Table 3. Estimated Acreage

	Plan acres	NSO Buffer	Other No Harvest Buffers	Net acres
Cable	145	12.5	0	132.5
Tractor	61	1.5	15.5	44
Right-of-Way	6			6
WLPZ	23			23
Totals	235	14	16	205.5

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 limbed, 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. Trees felled within the inner 25' of class II WLPZ for cable corridors shall be left. Trees felled within the outer 50' 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 14b: 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 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 26: No trees shall be felled in the class I WLPZ for any reason.

Trees cut in the inner 25' of the class II WLPZ for cable corridors shall be left.

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.

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 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

<u>Page</u>	<u>Section</u>	<u>Item</u>
2	2	A deposit of \$9,000 must be submitted with the bid.
3	3	500 thousand feet of timber to be felled and paid for by June 30, 2009, remainder by June 30, 2010. All timber removed by October 15, 2010.
3	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 chipping are required.
4	5	All logs are to be branded prior to removal from the sale area.
5	7	All timber scaled by "third party" scaling organization.
5	7b	Purchaser is responsible for payment of scaling and reporting.
9	7p	Weekly reports of falling scale by unit are required.
10	9	Notification and permission is required for operations on weekends or State holidays.
11	10	All terms, provisions and requirements of the timber harvesting plan (1-08-81 MEN) apply.
11	10a	A pre-work conference and logging plan are required.

<u>Page</u>	<u>Section</u>	<u>Item</u>
12	10b	No timber operations after February 1 of any year until a current northern spotted owl NO TAKE Certification is amended into the THP.
12	10c	Flagging of skid trails required at least two weeks in advance.
12	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.
13	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.
14	10h	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. The PURCHASER is responsible for burning slash piles, including obtaining permits and paying fees.
14	10j	Cable yarding system requirements are given. Trees may not be cut for cable corridors within the WLPZ of a class I watercourse.
15	10k	No permanent painted messages. Use temporary signs to be removed once their function is complete.
18	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.
118	14a(5)	Balanced cut and fill on slopes 50% and less. Full bench end haul on slopes greater than 50%.
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. The Sale Officer will specify the location for drainage structures on roads greater than 7% prior to final road grading.

<u>Page</u>	<u>Section</u>	<u>Item</u>
20	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.
21	14g	There are approximately 1.76 miles of seasonal road to construct.
21	14h	The PURCHASER shall obtain a permit for, construct and maintain one paved encroachment to Highway 20 to comply with CALTRANS standards.
22	14i	Construct one new gate at the new encroachment.
21	14j	The amount of rock needed for road work is specified.
22	14l	With two weeks notice the roads shall be made available for events or tours.
22	14m	Coverage of 800 feet of road with slash chips to a minimum depth of 3 inches with 95% coverage of road surface is required.
24	26	Performance security of \$20,000 required prior to contract approval.

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