Jackson Demonstration State Forest

Upper Parlin IG 2010 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	June 28, 2010			Estimated Net Volume:	4,968 MBF
Price/species:	Redwood	$305.00	/Mbf (**min** bid)	THP Number:	1-09-110 MEN
Rate per Mbf	Douglas-fir	$10.00	(fixed rate)	Phone:	(707) 964-5674
	Whitewoods	$5.00	(fixed rate)	Information:	Pam Linstedt

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	3,860,370	3,358,520	13%	68%
Douglas-fir	1,790,240	1,557,510	13%	31%
Whitewoods	58,050	51,660	11%	1%
Totals	5,708,660	4,967,690	13%	100%

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

Species	Gross	Net
Redwood	2,984,620	2,596,620
Douglas-fir	1,371,950	1,193,600
Whitewoods	43,580	38,790
Totals	4,400,150	3,829,010

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

Species	Gross	Net
Redwood	875,750	761,900
Douglas-fir	418,290	363,910
Whitewoods	14,470	12,880
Totals	1,308,510	1,138,690

Table 3. Estimated Acreage

	Plan acres	No Harvest Buffers	Net acres
Cable	524	72	452
Tractor	49	0	49
Right-of-Way	15		15
WLPZ (Class I)		46	
Totals	588	72	516

Table 4. QMD by Species

Species	DBH (in.)
Redwood	18.2
Douglas-fir	20.1
Whitewoods	18.0

Table 5. Percent Volume (Bf) of 16 ft logs >11 inch diameter

Redwood		
Log Diameter (in)	Gross	%
11-16	2,922,300	76%
17-23	864,720	22%
24+	73,350	1.9%

Douglas-fir		
Log Diameter (in)	Gross	%
11-16	947,040	53%
17-23	660,600	37%
24+	182,600	10%

GENERAL INFORMATION:

The list below is not intended to be all inclusive and all requirements of the Upper Parlin 2010 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: Commercial Thin and Single tree selection: All harvest trees are marked with pink paint using a diagonal stripe, approximately at breast height. This includes hardwoods.

Right-of-way (R-O-W): R-O-W harvest trees are painted with pink diagonal stripes as well.

Landings: Mapped landings have been flagged with either 3 orange-glo flagging. Additional landings will need to be approved by the Timber Sale Officer.

Harvesting of Unmarked Trees: Unmarked trees are to be retained, with the following exceptions:

- To provide safe operating corridors for skyline cable operations.
- To provide stumps for cable-rigging purposes.
- Compliance with Title 8 CCR, Logging and Sawmill Safety Orders.
- Also see Item 14(g) below.

Item 14f: Slash at tractor and cable landings shall be removed from the landing (to the greatest extent feasible) and spread on skid trails within the tractor yarding portions of the harvest area. At cable landings, slash may be spread on the landing, and/or placed in a burn pile, and/or removed.

Item 14g: Outside the WLPZ: Limit cable corridors to 10 feet in total width. Pre-plan and pre-locate cable corridors.

Within the WLPZ or NSO buffer, do not fall trees in order to create cable corridors, unless safety of cable yarding operations is impacted. Trees within the WLPZ felled for safety may be harvested, with the exception of trees that have to be cable yarded across a Class I channel. In addition, any tree felled within 50' of the Class II WTL in Unit A to facilitate "backside yarding" shall be left in place as large woody debris.

Downed Trees: No cutting or removal of unmarked down trees or logs permitted. These logs may be moved if necessary for road R-O-W and if necessary for operations.

All hardwoods, except for those located within Research blocks, marked within the plan area are to be felled, topped and limbed, and may be removed on request.

Item 14b: 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: Where tailholds are located outside the plan boundary, use existing stumps to the extent feasible, otherwise live trees may be used where no suitable stumps exist.

Item 18: Wet weather road restrictions apply year round.

Soil stabilization treatments required under Item 18 will be accomplished using weed free straw. If grass seed is used, it will be a native grass seed or benign non-native grass species.

In the THP the coverage rate states at least 90% of the surface to a depth of at least three inches. However, the requirement stated in the Timber Sale Contract shall be met: 95% surface coverage to a depth of at least four inches.

WLPZ roads and areas within the WLPZ where operations expose mineral soil equal to or greater than 100 sq. ft. shall be treated as described in Item # 18 and where otherwise stated.

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

Item 20: Ground based equipment shall not be used in cable areas except for long lining from areas designated for ground based equipment.

Item 21: All tractor operation restrictions apply. Class III EEZ coincides with tractor/cable boundary (red/white stripe flagging).

Item 23: Year round wet weather restrictions apply.
A Winter Operating Plan is included in Item 23 and shall be adhered to.

Item 26: Class I WLPZs are 150 feet and no trees are marked for harvest.

The distance for Class II WLPZs is 100 feet on all slopes and between 75 feet for springs and 50' for wet areas. All WLPZs are identified with blue and white stripe "WLPZ" flagging. No trees are marked for harvest within 50' of Class II watercourses. All other protection measures applicable to Class IIs apply to springs.

There is a water drafting plan. Water drafting sites approved for use include WD sites 3, 7 & 8. See appurtenant roads map.

Item 30: All roads shall be treated for fire hazard abatement.

Item 32: 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.

TIMBER SALE AGREEMENT

Page	Section/Item	
2	2	A deposit of $45,000 must be submitted with the bid.
3	3	One million board feet of timber to be cut and paid for by June 30, 2011 and all remaining timber harvesting completed by November 15, 2012.
4	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. Required data includes person-hours and equipment-hours spent on each activity, and applicable rates for employees, machines and supervision, and costs for any materials or services needed for completion of activities.
4	4	Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
4	5	The PURCHASER shall maintain the flagged boundaries (block 1 and block 2) of the Sudden Oak Death (SOD) study area.
5	5	All logs are to be branded prior to removal from the sale area.
6	6	All timber scaled by “third party” scaling organization, using Revised Scribner Log Rule, prepared by Northwest Log Rules Advisory Group, July 1, 1972.
7	7b	Purchaser is responsible for payment of scaling and reporting.
10	7o	Paint the last three digits of load receipt number on rear end of each of the two outside bunk logs of each load.
10	7p	Weekly reports of faller days and volume. This information available for collection by the Timber Sale Officer or delivered to State Forest HQ no later than the following Tuesday.
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 (1-09-110 MEN) apply. On completion of operations satisfactory to the Timber Sale Officer, the operator shall certify by letter to the STATE, all operations are complete and comply with Forest Practice Rules and THP.
13	10a	A pre-work conference and logging plan are required. PURCHASER is responsible to ensure all contractors are provided with relevant applicable documentation.
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.

Page	Section/Item	
13-14	10c	Flagging of all skid trails required at least two weeks in advance and notify the Timber Sale Officer for approval.
14	10e	Minimum distance between new skid trails is 100 feet, unless waived by the Sale Officer. Erosion control requirements apply year-round. Erosion control structures shall be installed on all skid trails or seasonal truck roads within 30 days of completion of their use, or at the end of day if the U.S. Weather Service forecast is a “chance” (30% probability or more) of rain before next working day or at any time that the equipment needed to install such structures leaves the sale area. 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	Merchantable tree felled and bucked to log lengths, limbed to the 6-inch top, and the top bucked at the time of felling.
15	10h	All slash created by timber operations within 0-50 feet of seasonal roads 313, 315 and 315A, shall be lopped to the extent that no portion shall remain over 12 inches, and between 51 to 100 feet no portion remaining over 30 inches, above the ground. Slash created within 100 feet of seasonal road 310 shall be lopped to the extent that no portion shall remain over 12 inches above the ground. Slash within 100 feet of all other seasonal roads, including spur roads of the numbered roads stated above, shall be lopped to the extent that no portion of slash remain over 30 inches above the ground. Logging wastes on landings on permanent and seasonal roads shall be segregated into large materials which can be utilized by firewood cutters (material at least 8 inches in diameter and 6 feet in length, placed in a stable position where it can be reasonably utilized by firewood cutters. On slopes greater than 20%, isolated burn piles by building a 10-foot wide fire line to mineral soil using hand tools and waterbar. Provide 80 lb water resistant kraft paper and cover a minimum 10-foot by 20-foot section near the center of burn piles and weight down.
16	10j	Cable yarding system requirements are given. Location of cable corridors will be flagged and approved by Sale Officer prior to rigging. Distance between cable corridors, no less than 200 feet measured from the back of cable road. Trees may not be cut for cable corridors within the WLPZ, otherwise unmarked trees within approved cable corridor may be felled, not to exceed a width of 10 feet.
16	10k	No permanent painted messages. Use temporary signs to be removed once their function is complete.
18	10o	Mulching standard is at least 95% coverage to a minimum depth of four inches.

Page	Section/Item	
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.
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.
22	14d	Required crossing installations shall be completed prior to log hauling on those roads, and not later than October 15 of the first year of operations.
24-25	14f	Perform maintenance within 15 days of completion of hauling operations on each road (each season) and immediately following completion of hauling on any road after October 15. Joint road users are encouraged to share routine road maintenance, proportional to actual use.
25	14h	Install 2 new pipe gates, one each on Road 313 and Road 315.
26	14i	Purchaser shall comply with the DFG stream alteration permit (Road 200 work).
27	17	In addition to required fire tools complement, have available to the sale area for fire suppression purposes a “water wagon” or similar self-propelled vehicle of at least 1,000 gallon capacity.
29	26	Performance security of $95,000 required prior to contract approval. Water drafting for dust abatement shall be done according to the guidelines specified in the DFG 1600 permit included in the THP.

UPPER PARLIN IG 2010 THP FLAGGING CODE

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting area	Pink-glo Site-Mark® -"TIMBER HARVEST BOUNDARY" in black lettering AND pink/black stripe
Class I watercourse	Solid blue
Class I WLPZ	Blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering with solid blue
Class II watercourse	Blue/white stripe
Class II, Spring, Wet Area WLPZ	Blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering.
Class III watercourse	Blue/white polka-dot
NSO 1000' buffer	Orange/white stripe Site-Mark® -" SPECIAL TREATMENT AREA"
Tractor/Cable boundary	Red/white stripe
Tractor road	Solid yellow
Proposed road-grade and centerline	Solid orange-glo
Landing at end of road	Three solid orange-glo flags
Road construction by excavator	Solid orange and solid white (at uphill side of R-O-W)
Road rocking	Orange/black stripe and solid white
Special plants	Lime glo and solid white
Message flag	Pink/black stripe AND solid color (lime green)
Survey stations, Cruise stations	Red/white polka-dot
Property Line	Solid Red Site-Mark® "Property Line" or Solid red
Faller Strip	Solid white
Cable road	Solid red

Note: The THP area was marked and flagged in 1999 with a different intent; as such any paint markings other than PINK-glo do not apply to this THP. Flagging chosen for this THP was selected to avoid confusion in the event that remnant flags are present. The old flagging has mostly been pulled or burned up.