

Jackson Demonstration State Forest

**Dunlap North 2009 THP Timber Sale  
SUMMARY OF SALE INFORMATION**

Bid Date:	June 9, 2009	Estimated Net Volume:	2,590	MBF
Price/species:	Redwood TBD /Mbf	THP Number:	1-09-002 MEN	
Rate per Mbf	Douglas-fir \$10.00	Phone:	(707) 964-5674	
	Whitewoods \$5.00	Information:	Erik Wahl	

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	1,517,720	1,320,420	13%	51%
Douglas-fir	1,457,970	1,268,430	13%	49%
Whitewoods	940	840	11%	< 0.1%
Totals	2,976,630	2,589,690	13%	100%

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

Species	Gross	Net
Redwood	816,580	710,420
Douglas-fir	719,400	625,880
Whitewoods	940	840
Totals	1,536,920	1,337,140

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

Species	Gross	Net
Redwood	701,140	609,990
Douglas-fir	738,570	642,560
Whitewoods	0	0
Totals	1,439,710	1,252,550

**Table 3.** Estimated Acreage

	Plan acres	Other No Harvest Buffers	Net acres
Cable	162	0	162
Tractor	128	2	126
Right-of-Way	9		9
WLPZ	43		43
Totals	342	2	340

**Table 4. QMD by Species**

Species	DBH in inches
Redwood	19.7
Douglas-fir	16.2
Whitewoods	17.3

## GENERAL INFORMATION:

The list below is not intended to be all inclusive and all requirements of the Dunlap North 2009 Timber Harvest Plan apply. Copies of Sections I and II of the THP are available by request from the State Forest headquarters or via the internet at:

[ftp://thp.fire.ca.gov/THPLibrary/North\\_Coast\\_Region/THPs2009/1-09-002MEN/](ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs2009/1-09-002MEN/)  
One complete copy of the THP will be provided to the LTO.

## TIMBER HARVESTING PLAN:

Item 14d: Single tree selection: All harvest trees are marked with blue paint using a horizontal stripe, approximately at breast height. This includes hardwoods. A tree marked with either a blue or orange circle at breast height and at the base of the tree is to be retained.

Right-of-way(ROW): 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 painted on trees to be retained, 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.

Landings: Mapped landings have been flagged with either 3 orange or "Truck Road" 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 14g below.

Item 14f: Slash at tractor and cable landings is to be spread on landing or placed in a burn pile. At tractor landings, slash may be spread along skid trails within the tractor yarding area.

All marked hardwoods are to be felled.

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

Within the WLPZ: Do not fall trees for creating cable corridors, unless safety of cable yarding operations is impacted. In the event that trees within the WLPZ need to be removed for this reason, trees felled within the inner 25' of Class II WLPZ for cable corridors shall be left. Trees felled within the outer 75' of Class II WLPZ for corridors shall be harvested.

Downed Trees: No cutting or removal of unmarked down trees or

logs permitted. These logs may be moved if necessary for ROW's and if necessary for operations.

Item 15: 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. The Timber Sale Agreement (TSA) states 95% of the surface to a depth of at least four inches. Thus, the coverage rate required is that stated in the TSA.

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.

Between Map Points 1.1 and 1.2 and at Map Points 9, 10 and 11, areas of instability have been identified with Special Treatment flagging, where no tractor equipment will operate and no trees removed within said flagging.

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 has been flagged with a combination of red and white flagging.

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: The distance for Class II watercourses is 100 feet on all slopes and between 50-75 feet for springs. All WLPZ's are identified with blue and white stripe "WLPZ" flagging. Protection measures that apply to Class II's also apply to springs.

There is a water drafting plan and a 1603 permit. Water drafting sites approved for use include sites 3, 4, 6 & 7. See appurtenant roads map.

Item 32: Northern Spotted Owl: No timber operations shall occur after February 1<sup>st</sup> until a current letter of technical assistance is received from USFWS.

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

<u>Page</u>	<u>Section</u>	<u>Item</u>
2	2	A deposit of \$20,000 must be submitted with the bid.
3	3	500 thousand feet of timber to be felled and paid for and cut by September 1, 2009 and an additional one million board feet of merchantable timber between September 1, 2009 and June 30, 2010. The remainder by October 15, 2010. All timber removed by October 15, 2010.
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. 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.
5	5	All logs are to be branded prior to removal from the sale area.
6	7	All timber scaled by "third party" scaling organization, using Revised Scribner Log Rule, prepared by Northwest Log Rules Advisory Group, July 1, 1972.
6	7b	Purchaser is responsible for payment of scaling and reporting.
9	7o	Paint the last three digits of load receipt number on rear end of each of the two outside bunk logs of each load.
9	7p	Weekly reports of faller days and volume, by unit. This information available for collection by the Timber Sale Officer or delivered to State Forest HQ no later than the following Tuesday.
11	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 (1-09-002 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.
12	10a	A pre-work conference and logging plan are required. PURCHASER is responsible to ensure all contractors are

provided with relevant applicable documentation.

**Page Section Item**

- 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 all skid trails required at least two weeks in advance and notify the Timber Sale Officer for approval.
- 13 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.

- 13-14 10g Merchantable tree felled and bucked to log lengths, limbed to the 6-inch top, and the top bucked at the time of felling.

All slash created by timber operations within 100 feet of permanent and seasonal roads shall be lopped to the extent that no portion shall remain over 12 inches above the ground along Road 210 and 213 and 24 inches for all other seasonal roads.

- 14 10h Slash disposal along Road 210C and associated spurs shall be by spreading material on skid trails, abandoned roads, or other areas approved by the Sale Officer at a depth not exceeding two feet. Slash shall not be bunched against residual trees.

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.

Logging debris and slash created from operations along landings or within sale area along Roads 210 and 213 and associated spurs shall be piled and isolated for burning as specified by the Timber Sale Officer; and/or, where designated, landing slash shall be placed to block skid trails where they lead onto truck roads or landings, and/or shall be spread along skid trails and packed by dozer track to reduce erosion. On slopes greater than 20%, isolate 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.

<u>Page</u>	<u>Section</u>	<u>Item</u>
15	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.
17	10o	Mulching standard is at least 95% coverage to a minimum depth of four inches. Note: This is "bumped up" from what is stated in the THP.
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.
19	14a(5)	Balanced cut and fill on slopes 50% and less.
19	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	Notify Sale Officer two business days before rock ford installation.
21	14e	Notify Sale Officer two business days before culvert installation.
22-23	14g	Perform maintenance within 15 days of end 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.
23	14j	Dispose culverts at an off-forest public disposal site.
25	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.
27	26	Performance security of \$40,000 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.

**DUNLAP NORTH 2009 FLAGGING CODE**

<b>DESIGNATED ACTIVITY</b>	<b>FLAGGING COLOR</b>
Timber harvesting boundary	pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class II watercourse	blue/white stripe
Wet Area/Seep/Spring	blue/white strip & white (combined)
Class II/Spring/Seep/Wet Area WLPZ	blue/white stripe 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
Proposed Road - grade & centerline	solid orange Site-Mark® "TRUCK ROAD" in black lettering
Landing at end of road	3 - solid orange (or truck road flagging)
Message flag	pink/black stripe & yellow (combination)
Survey stations, Cruise stations	red/white polka-dot
Faller Strip	solid white
Cable road	solid orange
Equipment Limitation Zone (ELZ) & Equipment Exclusion Zone (EEZ)	solid red & solid white (combined)
Points to begin/end excavation	pink & white
Property Line	solid red
SOD Study Plot Boundary	orange/white polka-dot