

# Dunlap South 2011 Timber Sale

## SUMMARY OF SALE INFORMATION

Bid Date: March 15, 2011	Estimated Net Volume: 4,264 MBF
Price/species: Redwood \$265.00 /Mbf (min bid)	THP Number: 1-10-008 MEN
Rate per Mbf Douglas-fir \$10.00 (fixed rate)	Phone: (707) 964-5674 ext. 127
Whitewoods \$10.00 (fixed rate)	Information: Erik Wahl

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

Species	Gross	Net	% Defect & Breakage	% Comp.
Redwood	2,691,323	2,341,450	13%	55%
Douglas-fir	1,787,763	1,555,350	13%	36%
Whitewoods	412,833	367,420	11%	9%
<b>Totals</b>	<b>4,891,919</b>	<b>4,264,220</b>	<b>13%</b>	<b>100%</b>

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

Species	Gross	Net
Redwood	2,072,319	1,802,920
Douglas-fir	1,376,578	1,197,620
Whitewoods	317,881	282,910
<b>Totals</b>	<b>3,766,778</b>	<b>3,283,450</b>

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

Species	Gross	Net
Redwood	619,004	538,530
Douglas-fir	411,185	357,730
Whitewoods	94,952	84,510
<b>Totals</b>	<b>1,125,141</b>	<b>980,770</b>

**Table 3.** Estimated Acreage

		Plan acres
Cable		341
	WLPZ	25
Tractor		95
	Right-of-Way	25
<b>Totals</b>		<b>486</b>

**Table 4.** QMD by Species

Species	DBH (in.)
Redwood	20.1
Douglas-fir	17.3
Whitewoods	17.5

## GENERAL INFORMATION:

The list below is not intended to be all inclusive and all requirements of the Dunlap South 2010 Timber Harvest Plan (1-10-008 MEN) apply. Copies of Sections I and II of the THP are available by request from the State Forest headquarters. One complete copy 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 blue circle at breast height and at the base of the tree is to be retained.

Right-of-way(ROW): ROW trees are painted with two vertical yellow stripes, indicating the ROW boundary and are not to be harvested. Trees to be felled within the right-of-way are not marked. Mapped landings have been flagged with either 3 orange or "Truck Road" flagging.

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 landings or placed in a burn pile or removed in a manner which will leave roads passable by logging truck. At tractor landings, slash may be spread along skid trails within the tractor yarding area.

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 30' of Class II WLPZ for cable corridors shall be left. Trees felled within the outer 70' 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.

All hardwoods marked within the plan area are to be felled.

Item 15a: SOD Compliance: LTO is responsible for ensuring all vehicles are free from regulated host material.

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.

With prior approval, the LTO may cable yard any area designated for ground based yarding provided it will afford equal or greater protection to the soil and residual stand.

Item 18: 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.

For areas disturbed from May 1 to October 15, treatment to stabilize soils to be completed prior to:

- Start of any rain that causes overland flow across or along the disturbed surface that could deliver sediment into a watercourse in quantities deleterious to the beneficial uses of water.
- Any day for which a chance of rain of 30 percent or greater is forecast by the National Weather Service or within 10 days, whichever is earlier.

All waterbreaks shall be installed no later than the beginning of the winter period of the current year of timber operations.

Installation of drainage facilities and structures is required from October 15 to November 15 and from April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours.

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.

Ground based equipment may be used within the "tractor assist" boundaries on existing skid trails, pre-flagged by the RPF with yellow (Site-Mark® "SKID TRAIL") flagging.

Item 21: All tractor operation restrictions apply. Class III EEZs have been flagged with a combination of a red flag and a white flag.

Item 23: Year-round wet weather restrictions apply and shall be adhered to.

Item 26: The distance for Class II WLPZs is 100 feet on all slopes, between 50-75 feet for springs and 50 feet for wet areas. All WLPZ's are identified with blue and white stripe "WLPZ" flagging. With the exception of WLPZ width, all protection measures applicable to Class II's apply to springs and wet areas.

There is a water drafting plan and a 1603 permit. Water drafting sites approved for use include WD sites 3, 4, 7 & 8. See appurtenant roads map.

Item 32: No timber operations shall be conducted until a valid Take Avoidance Determination (TAD) is made by CAL FIRE and is amended into the plan. The determination is valid until the date indicated in the TAD, until an extension of the determination is obtained.

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 \$35,000 must be submitted with the bid.
3	3	Five-hundred thousand 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.
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 Decimal C Log Rule.
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.
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	8g	Hardwood trees shall be topped at the time of felling.
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 (1-10-008 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.
- 13 10b No timber operations shall be conducted after February 1 of any year until the STATE or the PURCHASER has completed required surveys for northern spotted owls, and extension of the Take Avoidance Determination (TAD) has been received from the appropriate agency.
- 13 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.  
All slash created by timber operations within 50 feet of permanent Road 50 and seasonal Road 50F, shall be lopped to the extent that no portion shall remain over 24 inches above the ground.
- 15 10h 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 created by the logging operations around landings or located within the sale area shall be piled and isolated for burning as specified by the Timber Sale Officer; or, where designated, landing slash shall be placed to block skid trails where they lead onto truck roads or landings, or shall be spread along skid trails and packed by dozer track to reduce erosion.  
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.

- 15-16 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.
- 17 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.
- 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.
- 21-23 14d Culvert installation on Road 51 shall be completed prior to log hauling, and not later than October 15 of the first year of operations. The PURCHASER shall furnish a new 30" (minimum) culvert, replacing an existing culvert.
- Dispose culverts at an off-forest public disposal site.
- 24 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.
- 24 14h New road shall be constructed by an excavator and built as full bench, as described in the Timber Harvesting Plan.
- 26 14o At the encroachment to the temporary road located on lands shared by Mendocino Redwood Company and JDSF the PURCHASER shall construct a temporary road block in a location specified by the Sale Officer.
- 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 \$70,000 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 SOUTH 2010 THP 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 & solid 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	solid pink & solid white (combined)
Property Line	solid red