

Sale Name: Bear Bough

TRAFFIC CONTROL PLAN AND SPECIFICATIONS PURSUANT TO BP6.33 SAFETY

Unless otherwise agreed, the following measures are required to provide adequate warning of hazards for users of roads and trails adjacent to Purchaser's Operations.

Part I. Signing and Other Warning Methods:

(a) Signs. The following signs are required when Purchaser's Operations are in progress adjacent to or on Forest Service controlled roads and trails:

<u>MINIMUM LETTER SIZE AND LEGEND</u>	<u>MINIMUM SIZE AND SHAPE</u>	<u>WHEN AND WHERE REQUIRED</u>
1. LOGGING OPERATIONS NEXT <> MILES (4" letters)	24" (rectangle) 36"	Min. 100 ft. outside of any continuous work areas, on roads listed in C5.31# and trails listed in Part II.
2. LOGGING OPERATIONS (3" letters)	24" (diamond) 24"	To be used in conjunction with "Logging Operations Next <> Miles" and where work area is not continuous.
3. FOR LOGGING USE ONLY (3" letters)	24" (diamond) 24"	Required where roads listed in C5.31# and temporary roads intersect with C5.31# roads. Install a cross ditch to discourage use when sign is covered or removed for extended periods.
4. TRUCKS (4" letters)	24" (diamond) 24"	At critical intersections on roads listed in C5.31# when traffic is heavy or otherwise exceeds volumes stated in Part II below. Remove or cover when the sign is not applicable.
5. END LOGGING OPERATIONS (4" letters)	24" (rectangle) 36"	Use in conjunction with "Logging Operations Next <> Miles" and "Logging Operations."
6. TREE FELLING AHEAD (3" letters)	24" (diamond) 24"	Required 200 feet in advance of danger area where timber is being felled adjacent to all roads, including temporary roads, and trails.
7. ROAD MACHINERY AHEAD (3" letters)	24" (diamond) 24"	Required at least 200 feet in advance of Purchaser road maintenance operations on roads listed in Schedule C5.31#.

Sale Name: Bear Bough

TRAFFIC CONTROL PLAN AND SPECIFICATIONS - B6.33 Safety (continued)

All signs shall meet requirements as specified in Parts I and VI of the Manual of Uniform Traffic Control Devices (MUTCD).

Sign borders and lettering shall be black. Borders are 1/2 inch wide, inset 1/2 inch from outside edge of sign. All sign backgrounds shall be orange, except signs #1 and 5 which shall be reflectorized orange.

Signs shall be installed on posts, with a 5 foot minimum ground clearance, or on temporary supports complying with MUTCD standards.

All signs are to be removed or covered when operations are interrupted for seasonal nonuse or other extended periods.

Purchaser shall furnish flag personnel and advance warning signs when cable or helicopter logging above roads or trails, felling adjacent to roads or trails, where logs being bucked may roll into roads or trails, and in areas where fallout from blasting may occur. On roads listed in C5.31# and temporary roads, Purchaser may temporarily block the road in lieu of furnishing flag personnel.

(b) Barricades. On roads listed in CT5.31#, if Purchaser's Operations cause the traveled way or road shoulders to be constricted overnight, or longer, by such obstructions as decked logs, parked equipment, or piled slash, Purchaser shall place barricades on both sides of the encroaching obstruction to safely channel traffic around such obstructions. Barricades shall remain in place until the obstruction is removed.

Barricades shall be Type II and meet specifications in MUTCD, Part VI. Barricades must be at least 3 feet high. Rails must be at least 2 feet long. Striping shall be alternating orange and white, sloping at a 45 degree angle, and reflectorized. For rails 2 feet to 3 feet long, striping shall be 4 inches wide. For rails longer than 3 feet, striping shall be 6 inches wide. Two rails, 8-12 inches in width, must face each direction.

Barricades shall be equipped with warning lights which shall be Type A low intensity flashing and shall be maintained so as to be capable of being visible on a clear night from a distance of 3,000 feet.

(c) Other Traffic Control Methods. The posting of CB channel signs may be authorized.

On roads listed in C5.31#, Purchaser may be authorized to install temporary gates, barricades (except cables), or natural barriers. The devices must be installed with the necessary hazard markers, be reasonably passable by Forest Service, and be removed prior to acceptance of the subdivision being served by the road.

Sale Name: Bear Bough

TRAFFIC CONTROL PLAN AND SPECIFICATIONS - B6.33 SAFETY (continued)

Purchaser and Forest Service agree to the above stated requirements of the Traffic Control Plan.

Name

Name

Title

Title

Date

Date

SCHEDULE PURSUANT TO CP6.315# - SALE OPERATION SCHEDULE (04/2003)

<u>Cutting Unit</u>	<u>Operating Conditions</u>	<u>Purpose</u>
ALL	All operations are prohibited starting at noon the Friday before and continuing through Sunday at 08:00 P.M. the first weekend of General Cascade Buck and General Cascade Bull Elk Rifle Seasons.	Minimize conflicts
ALL	All Helicopter flying operations are restricted starting at noon the Friday before and continuing through the entire General Cascade Bull Elk Rifle Season. Check Oregon State Wildlife Hunting regulations to determine dates for appropriate years.	Minimize conflicts

TABLE PURSUANT TO CP5.12# - USE OF ROADS BY PURCHASER (01/2003)**Restricted Road List**

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
2234-100		0.00	Terminus	R	*Hauling Restricted
2236-210		0.00	Terminus	R	*Hauling Restricted
2236-650		0.00	Terminus	R	*Hauling Restricted

Title and Date of Governing Road Rules Document:

Willamette NFNovember 1991

Commercial Road Rules

Effective Date

- * 2234-100 Road = Limited strength road, a Gross Vehicle Weight (GVW) of no more than one ton will be allowed.
- * 2236-210 Road = Limited strength road, a Gross Vehicle Weight (GVW) of no more than one half ton will be allowed.
- * 2236-650 Road = Limited strength road, foot travel only.

TABLE PURSUANT TO CP6.41# - HARVEST METHOD (04/2003)

Cutting Units	Harvest Method
<p>ALL</p>	<p>Boughs from Noble Fir and other coniferous specie trees, may be harvested following the guide below. Cutting unit boundaries are designated on the ground with orange paint and orange partial cut cards.</p> <p>Requirements:</p> <ul style="list-style-type: none"> A. No boughs will be removed from the top 50 percent of the live crown on any tree. B. Harvesting of bough branches not to exceed 50 percent of total branch length, after cutting the boughs, the remaining branch shall not be less than fourteen inches (14”) in length. White Pine boughs are to be pruned to the bole of the tree. C. Boughs may be cut with clippers or pruning saws. Axes and hatchets will not be used for cutting. No climbing or use of climbing spurs is allowed. D. Harvest height will be determined from the uphill side of the tree. E. On slopes less than 60%, no bough harvest would be permitted within 33 feet (slope distance) of streams or wet areas shown on the Sale Area Map. F. On slopes 60% and greater, no bough removal would be permitted within 60 feet (slope distance) of streams or wet areas shown on the Sale Area Map. G. Bough harvest would not be permitted within 60 feet of all established hiking trails or within 200 feet of highways, campgrounds, or other developed areas H. Bough removal will be by hand carrying to existing rocked roads. Boughs in remote areas may be removed by helicopter or a skyline yarding system with full suspension of boughs. Skyline roads, landings and staging areas must be approved in writing by the Forest Service prior to starting helicopter or skyline operations. I. Purchaser shall pay \$75.00 per tree as damages for removing any boughs from the upper one-half of the tree as measured from the root collar of the tree on the uphill side of the tree to the tip of the leader. J. Purchaser shall pay \$75.00 per tree as damages for leaving less remaining branch length than specified above. K. Purchaser shall pay \$150.00 per tree as damages for trees exhibiting both excessive height cutting (harvest in upper one-half of tree as described above) and remaining branch length less than that specified in this table.