

**Boundary Logging Feasibility Report  
Willamette National Forest  
McKenzie River Ranger District**

**Notes:** Due to the variability of the terrain throughout the sale, there may be the need of intermediate support trees in units that are not stated in this analysis. Rigging heights are based on a particular profile and will also differ from given heights throughout each unit. Unless otherwise stated skyline yarding direction will be uphill and Ground Base skidding directions will be downhill. All skidding and yarding operations will have constraints within stream corridors in all units. See contract provision C6.42# for special yarding and skidding methods. All Ground based skid roads and landings must be approved prior to use. Skid roads will be placed 150' apart.

For skyline operations, a carriage with skyline clamping capability will be required. Unless otherwise stated in the unit comments the Diamond D2000, 42' boom, 7/8" skyline, 5/8 inch mainline and 1/2 inch haulback line will be used with an Eaglet Eaglet carriage for profile analysis. Skyline corridors for uphill yarding will be 150 feet apart at the farthest reach of the corridor.

In those areas which are recommended for ground base systems, and which have slopes in excess of 30%, shovel operations can be considered. Each situation must be looked at and approved by the TSO with the cooperation of the zone Geologist.

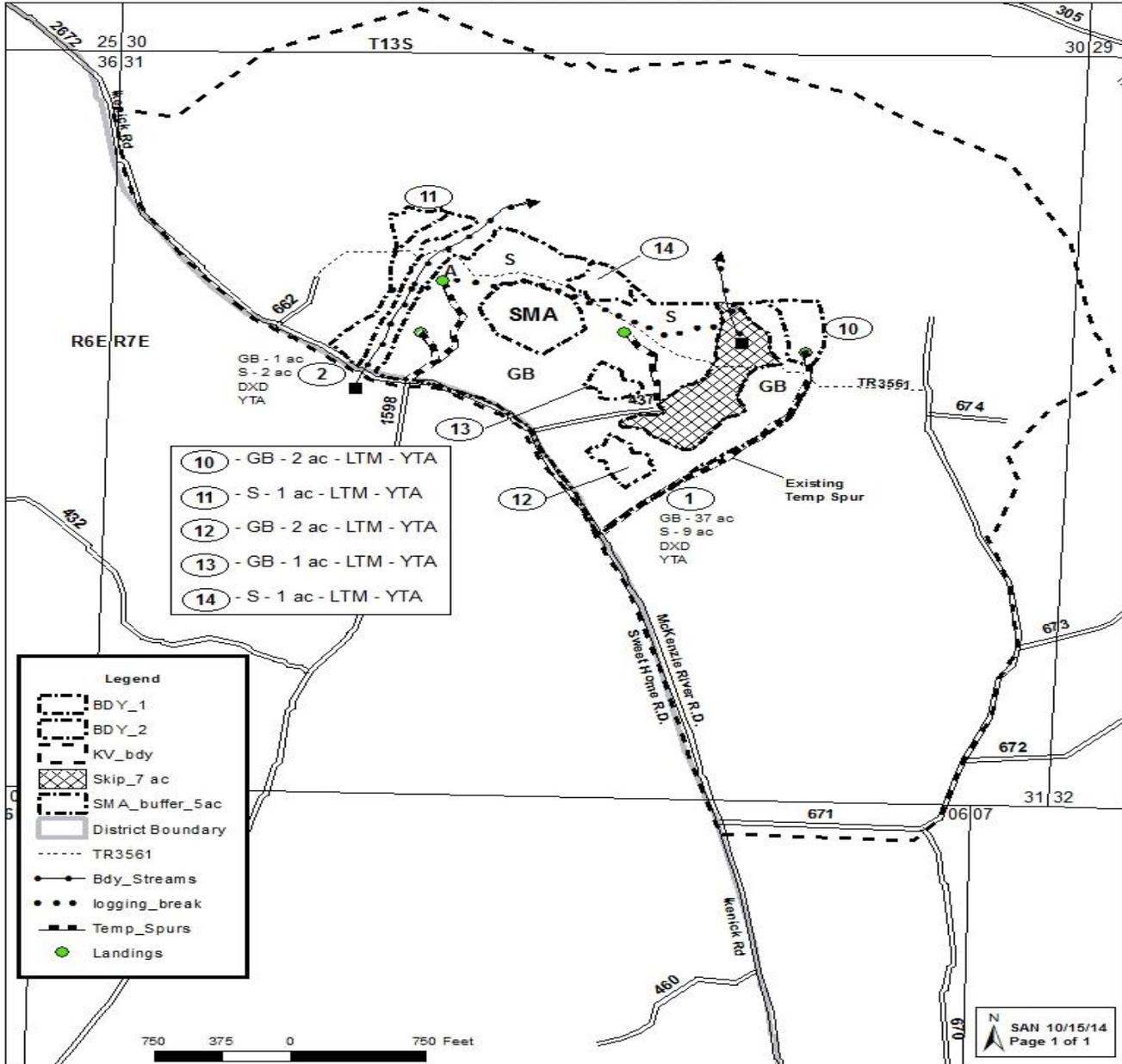
Unless otherwise stated, ground based equipment used for skidding is not permitted within 120 feet of class 1 and 2 streams. For class 3 streams ground based equipment is not permitted within 90 feet. Ground based equipment is not permitted within 60 feet of a class 4 streams. In the remainder of the riparian reserve, ground based equipment is permitted.

Skyline corridors are permitted within the buffers, however all timber cut in No Harvest Buffers will be left in place. Full suspension will be required when yarding over perennial streams, (class 1, 2, and 3 streams.) Where full suspension is not obtainable over intermittent streams, partial suspension is required and limited to that period when the stream is dry.

Intermediate support tree and tail spar heights are determined in accordance to OSHA standards and guidelines.

There may be small areas along roads and near landing sites that can be harvested in a manner not specified in the logging plan. With prior approval from the TSO these areas may be harvested using alternate methods operation.

**Boundary Timber Sale  
Sale Area and Slash Disposal Map  
Willamette National Forest  
McKenzie River Ranger District**



**Unit No: 1, 2, 10-14; T13S, R7E, Section 31; Elevation: 3360; Slope: 5-30%**

**Prescribed System**

**Acres**

GB	43
S	13

The area of the unit to the northwest of the class 3 stream can be skyline yarded to landing "A". Full suspension will be required through the stream buffer. The northern most portion of the unit will have uphill tractor skid lengths of 400-700 feet, therefore these areas will be appraised for skyline yarding. The average skyline yarding distance is approx. 325'. The average skidding distance is approx. 400'. There are approx. 1600' of temp spurs in the unit. The area marked "SMA" (see map) is a protected area and no cutting or entries of any kind are permitted. The area shown as "Skip" is a no harvest zone but the temp spur can be cut through it. Snow logging will be required for this sale to protect resources.