

Cruise Procedures:

The cruiser for this project was Rick Shepherd. The fieldwork took place December 8 and 11, 2006.

The timber on the subject property was cruised using a variable plot cruising system. A single basal area factor (BAF) of 40.00 was used throughout the types cruised. Cruise strips were oriented in an east-west direction and were placed every 330 feet throughout the types cruised. Cruise plots were systematically placed every 132 feet along these strips.

Only currently merchantable conifer trees were cruised. Hardwoods trees were not cruised because of their breakeven-at-best stumpage value (hardwood log value is less than or equal to the cost to extract the hardwood).

All plots were cruised. On each plot, each tree was measured for diameter and merchantable height. The trees were then segmented into individual logs, graded and volume deductions for defect taken as needed. The primary log lengths used for Douglas-fir and grand fir trees were 34, 26 and 17 feet (westside scale). The primary log lengths used for ponderosa pine and incense cedar trees were 32, 24 and 16 feet (westside scale). However, when most practical, the logs were cruised in two-foot multiples to maximize utilization. The maximum recorded log segment was 40 feet and the minimum segment was 16 feet. The minimum tree cruised had a 16-foot log to a five-inch top. Smaller merchantable trees were cruised to a six-inch top and larger trees were cruised to 40% of DOB-16 feet (the point on the upper stem where the outside bark diameter is equal to 40% of the outside-bark diameter at 16 feet above the stump). All logs were graded using Southern Oregon Log Scaling and Grading Rules.

Stand Description:

Timber Type 101 (Parcel 2): This 27-acre timber type is comprised primarily of Douglas-fir (DF) with smaller portions of incense cedar (IC), grand fir and old growth Douglas-fir (OG). The merchantable timber cruised is averaging approximately 15.8 mbf (thousand board feet) per acre. Defect is averaging approximately 4% for the entire timber type. Within this type there is a minor amount of ponderosa pine, however, no trees were tallied during our cruise. We reduced cruise volumes within this type by 6 mbf to account for the scenic buffer requirements. Please refer to the "Protected Resources" portion discussed later in this report.

Timber Type 300 (Parcel 1): This 13-acre timber type is comprised primarily of Douglas-fir (DF) and ponderosa pine (PP) with smaller portions of incense cedar (IC) and old growth Douglas-fir (OG). The merchantable timber cruised is averaging approximately 22.3 mbf (thousand board feet) per acre. Defect is averaging approximately 9% for the entire timber type. We reduced cruise volumes within this type by 13 mbf to account for the scenic buffer requirements. Please refer to the "Protected Resources" portion discussed in this report.