

OUTLINE FOR TIMBER SALE APPRAISAL
(5000)
(May 1988)

- I. Description of Area
 - A. Topographic map
 - B. Legal land description
 - C. Boundary survey problem
 - D. Relation to management plan and future sales
 - E. Surrounding land and timber ownership status
 - F. Right-of-way factors
 - G. Accessibility to present and future general and local markets

- II. Forest Description
 - A. Amount of timber by species in sale area
 - B. Amount of timber by species and product to be harvested
 - 1. Date and source of cruise
 - 2. Statistical analysis and summary of cruises
 - 3. Percent
 - 4. Summary of estimate for area
 - C. Quality
 - 1. Average number of clear logs by species
 - 2. Percent of upper lumber grades by species
 - 3. General description (thrif, maturity, defect)

- III. Appraisal
 - A. Discussion of factors affecting cost of logging
 - 1. Road construction necessary
 - a. Nature and extent
 - b. Costs
 - c. Maintenance
 - 2. Ground
 - a. Roughness
 - b. Slope
 - c. Rock
 - 3. Maximum skidding distances
 - 4. Log haul
 - a. Distance
 - b. Type and standard of roads
 - c. Trips per day
 - 5. Climate (logging season)
 - 6. Protection of recreational values

7. Protection of water values
8. Slash disposal
9. Snag disposal
- B. Stumpage valuation by species
 1. Average selling price of logs or lumber
 2. Operating costs
 - a. Logging (log scale)
 - Fall, limb, buck. lop
 - Yard, load, and general wood expense
 - Slash and snag disposal
 - Road constructions
 - Road maintenance
 - Log trucking
 - Supervision, depreciation, miscellaneous
 - b. Manufacturing (log scale)
 - Sawing
 - Yard and shipping
 - General expense
 - Selling
 - Supervision, depreciation, miscellaneous
 3. Conversion return (selling price; production costs)
 4. Profit ration
 5. Indicated stumpage rates
 6. Comparison with other sales
 7. Recommended minimum stumpage rates

[\(See Table of Contents\)](#)