

**MARKING PRESCRIPTION**  
**Newberry Management Unit**  
**Compartment 108 Stands 15 & 23**  
**Luce County**

**T45N R11W Section 25 and T45N R11W Section 26 – SESE**

**TASKS:** Mark stands 15 and 23 for cutting. Mark cutting boundaries and determine stand acreage. Map boundary line placement using GPS. The total approximate size of both stands is 237 acres with an estimated perimeter of boundary line being 300 chains red, 60 chains blue, and 100 chains interior green lines. All work is to be completed by August 15, 2003.

**ACCESS INFORMATION:** The stands are approximately 3 miles east of McMillan and 3½ miles south of M-28, and can be accessed by county roads 458, 431, and 468. (See inventory map).

**STAND DESCRIPTION:** Stand 15 (approx. 109 acres) consists mainly of high quality unevenaged northern hardwoods (average dbh from 10-14"). The understory in this stand is mostly northern hardwood regeneration, but there is some balsam fir in places. Average Basal Area is 110 square feet. Stand 23 (approx. 128 acres) is mostly unevenaged northern hardwood (average dbh from 8-12") with a mix of conifer patches, such as spruce, balsam, hemlock and white pine, which will be retained in the stand. The stand is very variable as to density and quality. Average Basal Area is 100. The regeneration is mostly northern hardwoods and ranges from thick to thin. Rolling terrain throughout both stands, as well as the ORV trail.

**TREATMENT OBJECTIVES:** Both stands 15 and 23 will be selectively marked with the objective of retaining and releasing northern hardwood crop trees or best quality trees on site, promoting growth of new regeneration, releasing quality regeneration and decreasing the number of defective or low quality trees. This will help move the residual stand towards regulation. Retain minor species components of the stand to promote diversity. Also some important wildlife trees should be retained, along with white pine, hemlock, and well-defined conifer patches.

**BOUNDARY LINE PRESCRIPTION:**

1. Establish and map boundary line (red and blue paint) placement using a GPS.
2. Establish payment unit boundary lines (green paint).
3. Determine stand acreage.

**MARKING PRESCRIPTION (stands 15 and 23):**

1. Create 3–5 30-foot regeneration gaps per acre. Mark all trees 1" DBH and larger from regeneration gaps.
2. The residual BA excluding small regeneration gaps shall be 75 – 85 sq. ft.
3. Leave 1–2 beech mast trees and cherry clumps per acre.
4. Favor any yellow birch to promote their regeneration.
5. Manage for the best tree in place, regardless of species.
6. Mark trees to be cut with yellow paint. Species present are: maple (red and sugar), beech, basswood, white ash, yellow birch, paper birch and/or black cherry.

7. All aspen will be cut. Trees do not have to be marked, just tallied.
8. Do not mark any white pine or hemlock.
9. Protect all survey corners and bearing trees present.
10. If hawk nests are discovered within the stand while any portion of the marking prescription is being accomplished, the Unit Office will be notified immediately to determine what action needs to be taken.

**Volume Determination:**

1. 100%, by species, tally on all marked sawlogs. Sawlogs are cruised to a 10" top d.i.b. Sawlog trees are to be marked with an "X" and dots painted to coincide with the amount of sawlogs tallied in the tree. Large hardwood pulp > 12" should be 100% tallied separately and marked with an "X" on the tree. In addition, do a 1:10 tally on any aspen.
2. Cruise all marked small hardwood pulp with a 10 BA factor prism at a spacing of 5x6 chains (1 plot per 3 acres), in an east-west pattern. Mark the exact plot center, placing a stick in the ground, and flagging it with ribbon. Mark the ribbon with the corresponding plot number. Keep cruise and marking tallies separate by unit.

A meeting will be held between the contract administrator and the contractor before work begins to cover questions and other specifics. Contact administrators at the Newberry Field Office are:

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