

HARDWOOD MARKING PRESCRIPTION

Newberry Management Unit

Compartment 102 Stand 75

Luce County, T46N R11W Sec 3

TASKS: Stand 75 is 40 acres and it needs to be marked for thinning. Establish cutting and property line boundaries. The estimated boundary line (red paint) to be established is 20 chains. The estimated property line (blue paint) to be established is 60 chains. Determine stand acreage and map boundary line placement for the stand by using GPS. The attached type map delineates the marking area. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: Stand 75 can be accessed from Bailey's Trail off of County Road 415 north of McMillan. Follow inventory maps.

STAND DESCRIPTIONS: The stand is an uneven aged northern hardwood type ranging in diameter from 6-12 inches with some scattered hemlock and white pine. Total basal area is approximately 110. The understory is thick in places and mostly consists of northern hardwood species with a mix of balsam fir.

TREATMENT OBJECTIVES: The stand will be marked with the objective of retaining and releasing crop trees or best quality trees on site while developing 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 and hemlock as important seed sources.

The beech scale disease has recently attacked the beech in the area. While marking, evaluate and remove any beech that has been attacked by the beech scale disease but still has merchantable value. As mentioned below, leave a minimum of 1-2 beech trees per acre that would best serve as mast trees.

BOUNDARY LINE PRESCRIPTION:

1. Establish and map boundary/property line (red and blue paint) placement using GPS.
2. Determine stand acreage.
3. Locate and protect all survey corners along sale boundary.

MARKING PRESCRIPTION FOR STANDS 75:

1. Create 3 30-foot regeneration gaps per acre. Mark all trees 1" DBH and larger from regeneration gaps.
2. The residual basal area excluding small regeneration gaps shall be 70 – 80 sq. ft.
3. Leave 1–2 beech mast trees per acre if they exist.
4. Manage for the best tree in place, regardless of species.
5. Mark all cut trees with orange paint.

6. Do not mark any white pine, hemlock, yellow birch, or white spruce.
7. Retain some den or cavity trees per acre if present, or retain potential trees, if one or two den/cavity trees are not present.
8. Mark stand to improve maneuverability within the stand for logging operations to occur.
9. 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: 100% tally 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 number 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 all aspen and balsam.

Cruise all marked hardwood pulp with a 10 basal area factor prism at a spacing of 3 x 3 chains. Mark the exact plot center placing a stick in the ground and flagging it with ribbon. Mark the ribbon with the corresponding plot number.

Questions and other specifics will be covered before marking begins. Contact persons at the Newberry Field Office are:

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