

HARDWOOD MARKING PRESCRIPTION
Newberry Management Unit
Compartment 102 Stands 15, 21, & 23
Luce County, T46N R11W Sec 1

TASKS: The stands are approximately 32 acres total in size. All three stands need to be marked for thinning. Cutting boundaries of approximately 130 chains needs to be painted and stand acreage needs to be determined for each stand. Map boundary line placement using GPS. The attached type map delineates the marking area. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: The stands can be accessed from the Silver Creek Road off of County Road 426. There is a blocked logging road that runs east off of the Silver Creek Road and leads to stand 21. Follow inventory maps and photos.

STAND DESCRIPTIONS: All three stands are an uneven aged northern hardwood type ranging in diameter from 6-20 inches with a scattered mix of hemlock, white pine and white spruce. Total basal area is approximately 130-140. The understory thick in places and mostly consists of northern hardwood species with a mix of balsam fir.

TREATMENT OBJECTIVES: All three stands 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 line (red paint) placement using a GPS.
2. Determine stand acreage.

MARKING PRESCRIPTION FOR STANDS 15, 21, & 23:

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 75 – 85 sq. ft.
3. Leave 1–2 beech mast trees per acre if they exist.
4. Favor any yellow birch to promote their regeneration.
5. Manage for the best tree in place, regardless of species.
6. Mark all cut trees with yellow paint.
7. Do not mark any white pine, hemlock or white spruce.

8. Retain some den or cavity trees per acre if present, or retain potential trees, if one or two den/cavity trees are not present.
9. Mark stand to improve maneuverability within the stand for logging operations to occur.
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.

COMMENTS: There is an ORV trail that traverses the east side of stand 23 . Do not mark any trees with orange paint or trees with orange triangle signs, unless the tree is identified as a hazard to the trail or if it needs to be removed for logging maneuverability. These trees designate the trail location.

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.

Keep tally cards separate for each stand.

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

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