

CRUISING / MARKING PRESCRIPTION

Newberry Forest Management Unit

Compartment 25 Stands 30, 31, 50, 51 & 52

Luce County

T49N R10W Sec 16 – SE1/4, SENE, SWNE, SENW, NESW, SESW

TASKS: Cruise stands 30, 31, 51 & 52 for final harvest. Also mark areas of thicker red and white pine in these stands for thinning and to improve maneuverability. Mark stand 50 for a thinning. The total area to be treated is approximately 236 acres. The marking area is to be bounded by red paint and mapped using GPS. There are approximately 270 chains of boundary line and approximately 150 chains of payment unit boundary (green line) to be established. The attached type map delineates sale area. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: The stand is approximately 25 miles north of Newberry. It can be accessed by County Road 410. Follow the inventory map and photos.

STAND DESCRIPTION: Stands 30, 31, 51 & 52 mainly consist of jack pine with a mix of red and white pine and a basal area ranging from 60 - 170. Stand 50 mainly consists of red pine with a mix of white pine and jack pine and an approximate basal area of 140. All stands have a minor component of paper birch, aspen, red maple, oak, spruce and balsam. These stands mostly originate from planting in 1940 but there are natural trees that occur throughout the stands as well. The understory in all stands consists mostly of red and white pine and can be thick in some places but is generally open throughout. Terrain is level to rolling throughout stand.

TREATMENT OBJECTIVES: Stand 50 is to be marked with the objective of releasing and enhancing the growth and quality of residual red and white pine trees along with promoting the growth of new and existing reproduction. Remove all aspen, spruce, balsam, red maple and jack pine. Retain all white birch and oak.

Stands 30, 31, 51 & 52 will be final harvested to encourage the regeneration of jack pine. Mark areas of thick red and white pine to improve maneuverability for logging operations to occur. Retain some of the minor species components such as paper birch and oak for aesthetics, diversity and important seed sources.

BOUNDARY LINE PRESCRIPTION:

1. Establish and map boundary line (red paint) placement using a GPS.
2. Establish and map payment unit boundaries (green paint).
3. Determine stand acreage.
4. Locate and protect all survey corners within sale boundary.

MARKING PRESCRIPTION (all stands):

1. Mark red and white pine to improve quality and growth of residual trees. Retain high quality trees.
2. Mark red and white pine to improve maneuverability within the stand for logging operations to occur.
3. Mark all cut trees with yellow paint.

4. Retain some den or cavity trees if present, or retain potential trees, if one or two den/cavity trees are not present.

Volume Determination (all stands):

1. Use a 100% tally on all marked red and white pine 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. Use a 1/20 tally on all marked red and white pine pulp.

CRUISING PRESCRIPTION (all stands):

1. Cruise all jack pine, aspen, red maple, balsam & spruce down to a 4" D.I.B. Do not cruise paper birch or oak.
2. Mark the exact plot center placing a stick in the ground and flagging it with ribbon. Mark the ribbon with the corresponding plot number.
3. Cruise with a 10 basal area factor prism.
4. Cruise pattern should run across all stands. Cruise stands at one plot per 2 acres with a 5 X 4 chain spacing between plots while keeping track of what stand the plot falls in.

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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