

CRUISING/MARKING PRESCRIPTION
Newberry Management Unit
Compartment 87 Stands 29, 30, 37, 39 & 41
Luce County
T47N R10W Section 34 - SESE
T47N R10W Section 35 – W1/2SW1/4

TASKS: Cruise stands 29, 37 and 39 to be final harvested (approximately 57 acres). Mark stands 30 & 41 for cutting (approximately 33 acres). Mark cutting and unit line boundaries and determine stand acreage. Map boundary line and unit line placement using GPS. The total approximate size of all stands (29, 30, 37, 39 and 41) is 90 acres with an estimated perimeter of boundary line to be established being 140 chains and estimated unit boundaries being 40 chains. The estimated private property line work to be established is 85 chains. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: The stands are adjacent to County Road 407 approximately 1 mile east of 4 Mile Corner (see inventory map).

STAND DESCRIPTION: Stand 29 consists mainly of red maple and aspen with a mix of paper birch, spruce and balsam. Stand 37 consists mainly of black spruce with a mix of red maple, aspen and paper birch. Stand 39 consists mainly of lowland poplar, red maple, paper birch spruce and balsam. Stands 30 and 41 are mostly unevenaged northern hardwoods with an average Basal Area of 130. The understory in all stands varies in species and is generally thick in most places.

The edges of all stands occur along lowland types or along County Road 407. Use discretion and judgement when establishing the boundary line bearing in mind BMP's, equipment limitations and merchantability.

TREATMENT OBJECTIVES: Stands 29 and 39 will be final harvested to encourage the regeneration aspen, lowland poplar, birch and lowland conifer. Stand 37 will be final harvested to encourage the regeneration of black spruce. Stands 30 and 41 will be selectively marked with the objective of retaining and releasing northern hardwood crop trees or best quality trees on site, releasing quality regeneration and decreasing the number of defective or low quality trees. This will help move the residual stand towards regulation. In all stands some important wildlife trees should be retained along with white pine, hemlock, cedar and yellow birch for diversity, aesthetics and important seed sources.

BOUNDARY LINE PRESCRIPTION:

1. The stands occur along the County Road 407. Red paint does not need to be used along the road. Use discretion when placing the boundary lines around stands keeping in mind equipment limitations, Best Management Practices and merchantability issues.
2. Establish and map boundary line (red paint) placement using a GPS.
3. Establish and map unit line (green paint) placement using a GPS.
4. Determine stand acreage.

CRUISING PRESCRIPTION (stands 29, 37 & 39):

1. Cruise all paper birch, lowland poplar, aspen, red maple, balsam and spruce.

2. All white pine, hemlock, yellow birch and cedar is to be left as residual and does not need to be cruised.
3. Mark the exact plot center placing a stick in the ground and flagging it with ribbon. Mark the ribbon with the corresponding plot number.

Volume Determination:

1. Cruise all pulpwood-sized paper birch, lowland poplar, aspen, red maple, spruce & balsam down to 4" D.I.B.
2. Cruise any sawlog-sized paper birch or red maple that may exist to 10" D.I.B.
3. Cruise with a 10 basal area factor prism.
4. Cruise stand at one plot per acre with point spacing to be determined after the boundary line work is complete.

MARKING PRESCRIPTION (stands 30 & 41):

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 all cut trees with orange paint.
7. Do not mark any white pine, hemlock, cedar or yellow birch.
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.

Volume Determination: 100% tally on all marked sawlogs. Sawlog trees are to be marked with an "X" and dots painted to coincide with the amount of sawlogs tallied in the tree. 1/20 tally on all marked hardwood pulp. 1/10 tally on any aspen, spruce and balsam.

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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