

CRUISING/MARKING PRESCRIPTION

Newberry Management Unit

Compartment 47 Stands 64,77,79,80,87

Luce County

T48N R8W Section 8 – E1/2NW, S1/2NE

T48N R8W Section 8 – SE1/4, E1/2SW

TASKS: Cruise stands 77,79,80, and 87 for final harvest. Mark stand 64 (S ½) for cutting. Mark cutting boundaries and determine stand acreage. Map boundary line placement using GPS. The total approximate size of stands 64,77,79,80 and 87 is 134 acres with an estimated perimeter of boundary line being 275 chains red line, 50 chains blue and 95 chains green line. All work is to be completed by August 15, 2003.

ACCESS INFORMATION: The stands are located just north of M-123 and east of Co Rd 500 (see inventory map).

STAND DESCRIPTION: Stand 64 (approx. 24 acres) consists mainly of northern hardwoods (average dbh 10"). Species include: red and sugar maple, yellow birch, beech and aspen. Minor components of hemlock, white pine, paper birch and white spruce may be present. The understory consists mostly of northern hardwood and is generally thick in most places. Recommend marking during leaf-off conditions. Stands 77, 79 and 80 (approx. 42 acres) consist mainly of aspen, maple, beech, yellow birch and mixed conifers. The understory consists mostly of balsam fir and thick hardwood regeneration. All 3 stands contain wet ground. Stand 87 (approx. 68 acres) consists mostly of aspen, with minor component of red maple and balsam fir.

TREATMENT OBJECTIVES: Stands 77,79,80,87 will be a final harvest to encourage the regeneration of aspen. Retain species components such as white pine, red pine, hemlock, white spruce, and yellow birch for aesthetics, diversity and seed sources. Stand 64 will be thinned to enhance the growth and quality of the residual stand.

BOUNDARY LINE PRESCRIPTION:

1. Use discretion when placing boundary lines, keeping in mind equipment limitations, Best Management Practices and merchantability issues.
2. Establish and map boundary line (red, blue paint) placement using a GPS. Minimal to no paint will be needed against the A3 type.
3. Establish and map payment unit boundary line (green paint).
4. Determine stand acreage.

CRUISING PRESCRIPTION (stands 77,79,80,87):

1. Cruise all aspen, paper birch, maple, beech and balsam fir.
2. All white pine, hemlock, yellow birch and white spruce 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 aspen, paper birch, maple, beech and balsam fir down to 4" D.I.B.
2. Cruise any sawlog quality hardwood that may exist to a 10" D.I.B.
3. Cruise with a 10 basal area factor prism.
4. Cruise stand at one plot per 1.5 acre with point spacing to be determined after the boundary line work is complete. Keep cruise tallies separate by unit.

MARKING PRESCRIPTION (stand 64)

1. The residual BA excluding small regeneration gaps shall be 75-85 sq. ft.
2. Create 3-5 30-foot regeneration gaps per acre, where appropriate. Mark all trees 1" DBH and larger from regeneration gaps.
3. Manage for the best tree in place, regardless of species.
4. Mark hardwood to be cut with orange paint.
5. All aspen and balsam fir will be cut. Trees do not have to be marked, just tallied.
6. Do not mark any white pine, red pine, hemlock, white spruce, or pulp quality yellow birch. Retain a few large diameter beech and red maple, if present, also.

Volume Determination:

1. 100%, by species, tally on all marked sawlogs. Sawlogs are cruised to a 10" 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. Small hardwood pulp will be done with a 1:20 tally, and any aspen, balsam fir with a 1:10 tally. Keep cruise and marking tallies separate by unit.

MARKING PRESCRIPTION (stand 77,79,80)

1. Mark 1-2 leave trees/acre, including large diameter beech and red maple. Mark with green paint, placing paint around the entire circumference, and also at the stump. These trees are being left for wildlife.

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:

Keith Magnusson
(906)293-3293
magnussk@michigan.gov

Theresa Sysol
(906)293-3293
sysolt@michigan.gov

Dave Lemmien
(906)293-3293
lemmiend@michigan.gov