

## NATURE'S BOUNTY SALE – BOSTON HOLLOW DIVISION

- Compartment: 87 (Boston Hollow Division)
- Crew: V. Bodet, M. Eddy, J. Grimm, C. Kiehn, R. Ravenel, G. Socha, M. Sterner
- Date Marked: August 2000
- Date Logged: 7-9/02
- Marked Volume: Unknown -- only leave trees were marked.
- Cut Volume: 43MBF (cut w/ Nature's Repo)
- Sale Area: ~45 acres
- Sale Price: \_\_\_\_\_
- Logger: Tom
- Marked with orange paint. Note: ONLY LEAVE TREES WERE MARKED!!!
- Prescription: Overstory removal and first-cut shelterwood (red oak, 75-100' spacing)

### INTRODUCTION

The *Nature's Bounty Sale* lies compartment [redacted] in the northwestern corner of the Boston Hollow Division toward the end of Nagy Road. The area was logged in 1994 ('Airport Sale') as a combination of overstory removal, first cut of a two-cut shelterwood, and thinning. The present sale essentially repeats the previous prescription in hopes of achieving the original intended goals. It is of paramount importance that the logger understand that LEAVE TREES have been marked.

### SILVICULTURAL TREATMENT

The residual stand after the 1994 harvest was deemed to be "an embarrassment to Yale Forestry," so the present sale is intended to "clean up" the area. The core of the sale completes the original overstory removal by taking out the poorly formed residuals, while leaving a (very) few scattered wildlife or seed source trees. West and north of the overstory removal area was originally a shelterwood cut and thinning. These areas are now marked for the first cut of a two-cut shelterwood, with red oak as the preferred crop tree spaced at 75-100 feet. Due to time constraints and the low stocking of the residual stand in the core overstory removal area, *only leave trees were marked*. To maintain marking consistency, leave trees were marked (also with orange) in the shelterwood area as well. The drawback to this leave-tree marking is that we have no tally data, so we have no reliable estimate of the volume of timber to be cut in this sale. The Yale Forest will have to make a special arrangement with the logger since the sale obviously cannot go up for bid without a volume estimate.

### LOGGING OPERATIONS

#### *Roads*

Access to the site is good from Nagy Road.

### *Landings*

An old landing on Nagy Road can be reused again for the Bounty Sale. It has not been flagged, but is unmistakable.

### *Skid Trail Locations*

There is an abundance of skid trails that, because they were recently used, are quite clear and easy to follow. For this reason they have not been flagged.

### *Sensitive areas bounded within sale*

There is one wetland area near the center of the sale around which double spots have been painted to exclude it from the sale. An old skid road runs along the western edge of this wetland.

### *Mountain Laurel*

The mountain laurel density is quite variable in the Bounty Sale. In some places it is altogether absent, while in others it forms dense monolayers. Please exert extra effort to run over the mountain laurel, scarify the forest floor, and knock the laurel back to the ground, whenever possible. Deviations from the skid trails that will not result in residual stand damage or erosion are approved where mountain laurel can be eliminated. Crop trees should be avoided with extreme care as not to inflict damage to future worth.

### *Residual Stand Damage*

Some trees have been left for wildlife as den trees or to preserve the diversity of tree species in this area. Any damage to these residual trees should be minimized. Standing snags or nest trees should be left intact (sometimes these latter trees are inadvertently marked when summer leaves obscure nests from sight).

## NATURE'S REPO SALE – Boston Hollow Division

- Compartments 96 & 97
- Crew: Steve Dettman, Becky Tavani
- Date Marked: July 23-25, 2002
- Date Logged: *Fall 02*
- Marked Volume:
  - 12,000 BF of red oak
  - 2,300 BF other good hardwood
  - 1,330 BF of Hemlock
  - 1,180 BF of White Pine
  - 16,810 BF total**
- Cut Volume (BF): *→ cut w/ Nature's Bounty*
- Summary Volumes:

	<i>Standing Volume (ft<sup>2</sup>/ac)</i>	<i>Marked Volume(ft<sup>2</sup>/ac)</i>	<i>Cut Volume(ft<sup>2</sup>/ac)</i>
<i>Stand BH</i>	82.5	10	72.5

- Sale Area: ~13.3 acres
- Sale Price:
- Logger: T. Bernier
- Marked with blue paint
- Prescription: (Second) Initial cut of a shelterwood. (This stand was cut in 1993, however the understory was not removed and regeneration was seriously suppressed.)

### Introduction:

Nature's Repo is the east side of a sale remarked in 2000 to release oak regeneration suppressed by subcanopy left in earlier cut. This side of the sale is bounded on the west by Nagy Road and on the east by a 100' buffer to the Nipmuck Blue Trail. There is a gradual slope rising from the west to the east creating a soil gradient from wet to mesic. The southern "finger" of the area is dominated by a watercourse on the eastern edge. Primary species here are red oak, white oak, red maple, hickory, hemlock, and white ash. Oak dominates the upland areas (east), and red maple dominates the lowlands (west). There are a large number of skid trails on the area from previous operations.

Mr. Alex Finkral ("Dean of Chainsaws" – Yale MF 1996) has also located some research plots in this sale to analyze stand history. These areas have already been harvested and should not interfere with operations. They have been demarcated with "party pink" flagging.

### Silvicultural Goals:

This stand received a shelterwood treatment in 1993, however the understory was left intact. As a result, the large amount of oak regeneration remained suppressed on the forest floor. In order to release this regeneration we will remove the entire understory and a large portion of the remaining canopy.

This treatment will provide wildlife habitat for animals that prefer large canopies and open understories. Habitat diversity will increase given the juxtaposition of closed and open canopies, wetlands and mesic sites abutting the treated area.

### Silvicultural Treatments:

We will circle trees with blue paint that should remain within the stand. These trees will be predominantly oak of good form with large canopies and no health problems. An attempt will be made to preserve species diversity by selecting quality hickory, ash, cherry, pine, and hemlock as crop trees when oaks are widely spaced. Crop

trees will be spaced 70' in order to open gaps and release regeneration. Regeneration should be protected whenever possible – however birch seedlings and mountain laurel can be removed with gusto.

**Wildlife:**

When possible, some trees should be left for wildlife as den trees or to preserve species diversity within the stand. The shelterwood treatment will also provide excellent sharp-shinned hawk habitat given their predilection for tall open canopies, limited understory, and proximity to wetlands. In general, the treatment area should benefit birds of prey that enjoy large areas of open foraging habitat.

**Logging Operations:**

*Landings and access*

Access to the sale area is from Nagy road. The landing for the sale will be the current landing being used for the Nature's Bounty sale between compartments 87 & 96.

*Skid trail locations*

Skid trails are flagged with yellow and black striped flagging. In areas where formal skid trails are not marked, operator discretion should be used in selecting trails. Some former skid trails are deeply rutted and loggers should take care to prevent exacerbation of this problem.

*Sensitive areas bounded within sale*

The sale is bordered by wetlands on the southeast. One wetland area within the sale had been marked with blue flagging and should be avoided.

*Snags*

Snags taller than 12ft. were marked with killer tree tape. Snags should be removed where necessary for operator safety. However, when possible, snags should be left or cut to 12ft to provide wildlife habitat.

*Residual stand damage*

Damage to these residual trees should be minimized. Slash and other debris should be kept low whenever possible.

*Borders*

Blue double dots will be placed on all borders except the western boundary of Nagy Road. These dotted trees should not be harvested.

# Operators Notes:

## Cutting guidelines

- Pink flagging / double dots = boundaries or buffer for Finkral's research plots  
Do not take boundary trees marked with double dots for this sale
- Black and yellow flagging = Suggested skid trails
- Blue flagging = wetlands/vernal pools
- Blue paint (rings) = leave trees. All other trees larger than small seedlings are to be taken.
- Snags – when possible leave stumps as high as possible
- Slash – minimize slash next to the private road if possible for aesthetic reasons.

# Natures Repo (Natures Bounty Part II)

734000 734100 734200 734300 734400 734500 734600 734700 734800

4647700 4647800 4647900 4648000 4648100 4648200 4648300

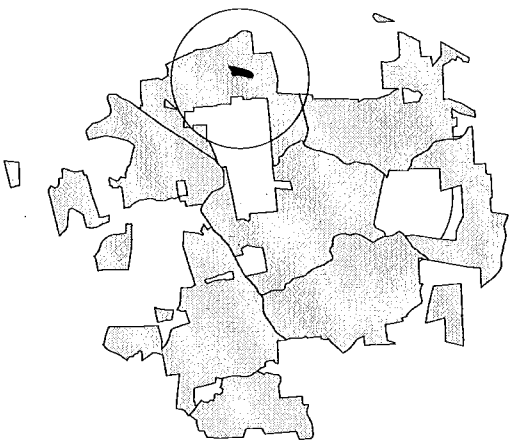









734000 734100 734200 734300 734400 734500 734600 734700 734800

800 0 800 1600 Feet

4648300 4648200 4648100 4648000 4647900 4647800 4647700

Yale-Myers Forest



-  Researchplots
-  Skidtrails
-  Wetland
-  NaturesRepoSale
-  Landing
-  Ymf\_roads.shp
-  Compartments

