



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 2-18-11	Forest, Mineral and Fire Management Unit Cadillac
Timber Sale Number (if applicable) 63-021-11-01	Sale Name (or prescription name) Evert Hardwoods

## LOCAL CONTACT

Name Cheryl Nelson	Telephone (231) 745 - 4651 Ext.
Email Address nelsonc6@michigan.gov	FAX (231) 745 - 8743

Map of Project Area Attached

## LEGAL DESCRIPTION

T19N R08W Section(s) 18, 29 Description S.18: N 1/2 SW, S.29: SENW

Year of Entry: 2011 Compartment(s):27 Stand Number(s): 1, 9

## THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 79 Source:  OI  GPS  Other IFMAP

Payment will be made on the basis of these estimated acres.

## TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
1	M6	50	80-110	Single Tree Selec	Northern Hardwoods
9	M9	29	140-170	Single Tree Selec	Northern Hardwoods

## PRESCRIPTION

- Stand 1: Mark to thin hardwoods to an average BA of 70. In addition, all species will be cut in aspen zones and all red maple will be cut.
- Stand 9: Mark to thin hardwoods to an average BA of 110. In addition, all species will be cut in aspen zones.

Use the MDNR's "Compleat Marker" as a guideline for marking in northern hardwoods.

**Access:** Stand 1 accessed from 120<sup>th</sup> Ave. Stand 9 accessed from 110<sup>th</sup> Ave. and Wolfdorf Rd.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Private lines will be painted by the DNR.	5/1/11

## CONTRACT WORK CAN BEGIN

Immediately  Date: 05/01/2011

**CONTRACT WORK MUST BE COMPLETED BY** Date : **August 31, 2011**

**PAINT LINE WORK**

This is included in the bid     This is not included in the bid

**Paint line work to be performed: (See attached map for locations)**

TYPE OF LINE	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR	
Private boundary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Yellow	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

**Exclusions to mark and why**

**Standards for marking lines against private land**

**AREA CALCULATION**

This is included in the bid     This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Stand	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	

**Special Instructions:**

GPS units must be compatible with ArcView or Pathfinder software. A CD of the traverse shapefile (.shp), and/or corrected file (.cor), must be supplied to the DNR office.

**TIMBER CRUISING SPECIFICATIONS**

This is included in the bid     This is not included in the bid

**Required Basal Area Factor:**     10     20     Other:

**Cruise Line Directions**

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
All	1	3 X 3
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

Cruise all sawlogs to an 9.0" top (DOB), and all pulpwood to a 4.5" top (DOB).

Point sample method cruising for all products and species.

**Unless otherwise specified, the tally sheets used must be those supplied by the Forest, Mineral and Fire Management Unit.**

**TIMBER MARKING SPECIFICATIONS**

This is included in the bid     This is not included in the bid

Precise specifications to be delineated at pre-work meeting with DNR staff

**Total Merchantable Residual BA (Basal Area):**

Stand 1: 70 (Minimum 60 to Maximum 80)

Stand 9: 110 (Minimum 100 to Maximum 120)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		N/A	
Girdled Trees Per Acre		N/A	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Slash at DBH, see #2 below	10.0 inches	9.0 inches
Sawbolts	N/A		
Pulpwood	Slash at DBH, see #2 below	4.6 inches	4.5 inches

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Green <input type="checkbox"/> Other
Trees marked to cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Orange <input type="checkbox"/> Other

TALLY INTENSITIES	
SPECIES / PRODUCT	RATIO
	1 :
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

1) Stand/boundary trees shall be marked red at DBH with a "V" that is visible on 3 sides and the point of the "V" facing the sale area. Corners within the sale should be marked with 3 well-defined vertical "V" 's.

2) Paint cut trees orange at DBH with a slash on two sides (that is visible from all sides), and a stump mark.

Also see attached appendix.

**Unless otherwise specified, the tally sheets used must be those provided by the Forest, Mineral and Fire Management Unit.**

**RESTRICTIONS**

1. Forest, Mineral and Fire Management Division must to be able to identify who did what on the timber sale.
2. The contractor may not have more than two markers in one payment unit without prior approval.
3. Each marker should have an assigned area to mark (not strips).

**PAINT**

1. Call Cheryl Nelson at (231) 745 - 4651 Ext. 6942, to make arrangements for paint.
2. Paint will be supplied from the Baldwin Field Office.
3. Contractor's work schedule must coincide with the DNR work schedule for paint supply.
4. The DNR will not be available on weekends or evenings.

**DELIVERABLES**

1. A list of names that marked or cruised each payment unit.
2. A summary of paint used (in quarts).
3. Tally summaries for each payment unit (one summary, regardless of the number of markers) and all of the original tally sheets.
4. GPS files for any GPS work.

# **Evart Hardwoods – Contractor Appendix**

## **When Establishing Paint Lines**

- Avoid using dead or badly damaged trees – boundary trees must last for the duration of the timber sale which could be 5-6 years.
- Avoid using small (fast growing) stems and those exposed to direct sunlight.
- Marking must be done in dry weather and when the trees are not wet.
- Paint the boundary line in such a way that it can be seen from the inside of the sale as well as when walking along the line from either direction.
- Lines should be four and a half feet above the base of the tree.

## **When Registered Corners or Witness Trees Are Discovered**

- Any wooden posts encountered at corners must be painted/protected.
- Bearing and/or witness trees discovered during the course of sale preparation must be protected, this can be accomplished by painting a ring completely around the tree at 4-6 feet above the ground.
- Please report corner condition to the local contact.

## **When Cruising**

- Residual basal area must be recorded.
- Plot centers must be marked on cruise map with a scale of 1:15840 or larger (i.e., 1:7920).
- Plot center will be marked by a stake or stick firmly inserted in the ground (not snow) with ribbon attached to it at a height of not less than two feet above the ground and labeled with the plot number. In addition, ribbon at least 12 inches long must be attached to a tree closest to plot center.