



TIMBER SALE PRESCRIPTION

GENERAL

Date 12/12/12	Forest Resources Division Management Unit Traverse City
Timber Sale Number (if applicable) 610161301	Sale Name (or prescription name) Hemlock Hollow

LOCAL CONTACT

Name Patrick Cotant	Telephone (231) 922 – 5280 x6844
Email Address cotantp@michigan.gov	FAX (231) 922 - 1853

Map of Project Area Attached

LEGAL DESCRIPTION

T27N R14W Section(s) 2 Description SWNW, N1/2SW

Year of Entry: 2013 Compartment(s):005 Stand Number(s): 10

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 37 Source: OI GPS Other IFMAP inventory

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

TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
10	M9	37	125	selection	northern hardwoods

PRESCRIPTION

- In general, follow "Compleat Marker" guidelines for marking timber to cut.
- Mark to result in an average residual BA of 80 to 90.
- Retain all hemlock and yellow birch.
- Focus marking on lower quality or multi-stemmed trees as much as possible.
- On steeper slopes, attempt to mark in narrow swaths (12' to 20') straight up and down the slope.
- Retain scattered healthy, smooth-barked beech and large-crowned overmature beech.
- Mark about 1 tree per acre with an orange "X" to be felled for CWD (poor quality, >10"dbh).
- Retain all ash and some poor quality aspen for future snags.
- Scattered regen. holes of up to 60' canopy gap can be marked in pockets of poor quality trees.
- 10.

Access Via 2-track snowmobile trails along north and east sides of stand.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
none	

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date: 08/15/2013

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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:

N/A

Standards for marking lines against private land:

N/A

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 checked="" 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:

Shapefiles of the sale boundary and payment unit line must be delivered to the contract administrator.

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: grid on cardinal directions

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
stand 10	1	3.2 X 3.2
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

Use V-Bar cruise method.

Unless otherwise specified, the tally sheets used must be those supplied by the Forest Resources Division Management Unit.

TIMBER MARKING SPECIFICATIONS

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

Total Merchantable Residual BA (Basal Area): 80 (Minimum 70 to Maximum 90)

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre:	opportunistic	up to 60' canopy gap
Girdled Trees Per Acre:	none	

PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	orange slash on 2 sides	10"	8"
Sawbolts	N/A	N/A	N/A
Pulpwood	orange slash on 2 sides	4.6"	4"

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:

Mark with an orange slash on 2 sides of tree at breast height; also butt-mark each marked tree so mark extends to the ground.

For coarse woody debris trees only: orange "X" on 2 sides of trees marked to be felled and left for CWD (about 1 per acre, poor quality, min. 10" dbh). Do not butt mark these.

Unless otherwise specified, the tally sheets used must be those provided by the Forest Resources Division Management Unit.

RESTRICTIONS

1. Forest Resources 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 Patrick Cotant at (231) 922 - 5280 x6844, to make arrangements for paint.
2. Paint will be supplied from Traverse City 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.