



# TIMBER SALE PRESCRIPTION

GENERAL	
Date 12/11/2009	Forest, Mineral and Fire Management Unit Gaylord North
Timber Sale Number (if applicable)	Sale Name (or prescription name) Comp 116 Contract

LOCAL CONTACT	
Name Shannon Harig	Telephone (231) 238 - 9313 ext. 4742
Email Address harigs@Michigan.gov	FAX (231) 238 - 6757

**Map of Project Area Attached**

LEGAL DESCRIPTION
T36N R05W Section(s) 2 Description W1/2NE, SWSE

Year of Entry: 2010 Compartment(s):116 Stand Number(s): 18, 20

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

Estimated Acres: 75 Source:  OI  GPS  Other \_\_\_\_\_

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

TREATMENT & OBJECTIVE					
STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
18	M9	52	120	Selection	Northern Hardwoods
20	M6	23	120	Thinning	Northern Hardwoods

**PRESCRIPTION**

- Reduce stand BA to 80 using single tree selection/crop tree release marking techniques.
- Retain 2-3 12"DBH + trees/acre of declining vigor(cull) to serve as future den trees.
- When possible, release pockets of advanced hardwood regen by creating an overhead canopy gap
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**Access**

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All boundary and unit lines	05/15/2010

**CONTRACT WORK CAN BEGIN**

Immediately  Date: 05/16/2010

**CONTRACT WORK MUST BE COMPLETED BY** Date 08/31/2010

**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 type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yellow	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	<input 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 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:**

**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**    E - W

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
18, 20	1.2	4 X 3
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

Only pulpwood will be cruised, sawlogs are 100% tallied. White Ash, Basswood, Beech and Aspen must be cruised separately; all other species can be combined as mixed hardwood. Residual BA must be tallied at each cruise point.

**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):** 80 (Minimum 70 to Maximum 90)

TREATMENT	NUMBER	SIZE	
Regeneration Gaps Per Acre	2	40' canopy gap	
Girdled Trees Per Acre	1-2	12"+	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	2 slashes w/ dots	12 inches	10 inches
Sawbolts	N.A.	N.A.	N.A.
Pulpwood	slash	4.6 inches	4.0 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
Sawlogs	100%
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Individual stems within multiple stemmed clumps must either all be marked for removal or must all be left unmarked. Do not mark elm, juneberry or ironwood. Mark girdle trees with an orange "X" on both sides of tree. Avoid marking under-represented species, they will be retained to maintain diversity.

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 Shannon Harig at (231) 238 - 9313 ext. 4742, to make arrangements for paint.
2. Paint will be supplied from Indian River 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.