



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 11/7/2011	Forest, Mineral and Fire Management Unit Gwinn Unit
Timber Sale Number (if applicable) 32-114-12-01	Sale Name (or prescription name) West Alger Hardwood Sale

### LOCAL CONTACT

Name Dean Wilson	Telephone (906 ) 485 - 1031, x 305
Email Address wilsond4@michigan.gov	FAX (906) 485 - 6200

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T47N R22W Section(s) 19 Description NENW, W1/2NW, NWSW

Year of Entry: 2012 Compartment(s):296 Stand Number(s): 10

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

Estimated Acres: 86.5 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
10	M6	86.5	120	Selection	Northern hardwoods

### PRESCRIPTION

1. Favor best tree in place-strive for 50 to 70 crop trees per acre.
2. Reduce basal area to 70 to 90 sq. ft. per acre except where crown dieback is significant.
3. Where crown dieback is significant, use group selection to encourage regeneration.
4. Do not mark beech, yellow birch, black cherry, and conifers.
5. Mark in a manner that will accommodate mechanical harvesting.
6. Where possible retain 3 to 5 wildlife trees per acre (cavity and den trees).
7. Contact the contract administrator in Ishpeming for specific instruction before beginning.
- 8.
- 9.
- 10.

**Access** Sand River Road off M-28 or the Mangum Road off US41 to where these two roads intersect.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All line and GPS work done.	11/04/2011

### CONTRACT WORK CAN BEGIN

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date 09/01/2012

**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**

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

**Cruise Special Instructions:**

DNR will cruise pulpwood.

**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			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	// & / with #8' logs	11.1"	10"
Sawbolts			
Pulpwood	Dot or slash botn 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
All sawlogs	1 : 1
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Favor the best tree in place with emphasis on sugar maple.  
 The objectives are crop tree release where the stand is healthy, and regeneration where there is significant crown dieback.  
 Pulpwood trees will have a single dot or slash on both sides of the tree (opposite faces) above breast height.  
 Sawlog trees will have a double slash on one side, and a single slash plus a dot for each 8 foot log tallied on the opposite side above breast height.  
 Stump marks will extend from the ground up the stump at least 6 inches and be on bark not moss or lichen.  
 The trees will not be marked when they are wet.

**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 Dean Wilson at (906) 485 - 1966, to make arrangements for paint.
2. Paint will be supplied from (either the Ishpeming or Gwinn field offices..
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.