



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 2/3/2009	Forest, Mineral and Fire Management Unit Gladwin Management Unit
Timber Sale Number (if applicable) 73-003-09-01	Sale Name (or prescription name) Wizner

### LOCAL CONTACT

Name Mike Hanley	Telephone (517) 243-2028
Email Address hanleym@michigan.gov	FAX (989) 426-1454

**Map of Project Area Attached**

### LEGAL DESCRIPTION

NE¼, NW¼ of **Sec 24** and E½, SE¼ & NE¼ of **Sec 13** and SW¼, SE¼ and NE¼, NE¼ of **Sec 12 of T17N R01E**

Year of Entry: 2009    Compartment(s): 78    Stand Number(s): 13,16,30 & 164

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

Estimated Acres: 113    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
13	A9	16	90	Selection	Mixed Hardwoods
16	E6	16	130	Selection	Lowland Hardwoods
30	E9	68	130	Selection	Lowland Hardwoods
164	M6	13	110	Selection	Mixed Hardwoods

### PRESCRIPTION

- Stand 13:** Do not mark Aspen, to be removed through harvest spec. South and East of yellow line, mark to cut mature Red and White Pine with orange paint retaining 30 BA/AC of pine. Leave best tree in place but favor removal of White Pine.
- Stand 16:** Do not mark Aspen. This stand is an Aspen species removal. In areas where non-aspen BA is greater than 90, mark additional trees for removal with orange paint, reducing BA to 90. Favor removal of Ash where present.
- Stand 30:** Southeast part of stand, South of yellow line will be Clearcut. Remainder of stand is to be marked to cut all species except Oak and Elm to 80 BA/AC with orange paint. Favor Aspen removal when possible, but mark stand to uniform density. Prioritize marking to enable operability of equipment.
- Stand 164:** Do not mark Aspen. Aspen Removal. Where non-aspen BA is greater than 80, mark additional trees with orange paint to reduce BA/AC to 80. Favor removal of Maple.
- Access:** Via Guernsey Road, Estey Road and various state two tracks.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All stand boundary lines.	1/31/09

#### CONTRACT WORK CAN BEGIN

Immediately     Date:

**CONTRACT WORK MUST BE COMPLETED BY**    Date 07/31/2009

**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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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"/> Red	<input type="checkbox"/> Other:

**Exclusions to mark and why: N/A**

**Standards for marking lines against private land** DNR to mark all stand boundary lines.

**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	PDOP ≤ 7
Payment Unit	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	PDOP ≤ 7
Stand	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	PDOP ≤ 7

**Special Instructions:**

Contractor must GPS all stands and/or payment units separately. Contractor must also provide a GPS file and hard copy of each stand. See map for location and color of lines to be GPS'd.

**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** N/A

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

**Cruise Special Instructions:** DNR to cruise all stands.

**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):** Varies by stand. See prescription section.

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Slash visible from all sides	10" Diameter Class	8" Diameter Class
Sawbolts			
Pulpwood	Slash visible from all sides	5" Diameter Class	4" Diameter Class

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"/> Yellow <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
N/A	1 :
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Retention work will be done by DNR staff.

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 Mike Hanley at (517) 243 - 2028, to make arrangements for paint.
2. Paint will be supplied from Gladwin 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.