



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 2/11/2008	Forest, Mineral and Fire Management Unit GAYLORD FMU
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 20 Stand 4, 40, & 45

### LOCAL CONTACT

Name GREGORY E. GATESY	Telephone (989) 732-3541 ext 5441
Email Address gatesyg@michigan.gov	FAX (989) 731-6214

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T29N R3W Section(s) 21 Description N1/2SE & SWSE, sec 28 NENE & sec 33 W1/2SE, SESE, & S1/2NE

Year of Entry: 2007 Compartment(s):20 Stand Number(s): 4, 40, & 45

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

Estimated Acres: 84 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
4	M6	50	100	Selection	Northern Hardwoods
40	M6	15	80	Selection	Northern Hardwoods
45	M6	19	120	Selection	Northern Hardwoods

### PRESCRIPTION

1. Mark stnd 4 to reduce BA to 70 sqft using single tree selection/crop tree marking techniques
2. Mark stnd 40 to reduce BA to 50 sqft using single tree selection/crop tree marking techniques
3. Mark stnd 45 to reduce BA to 80 sqft using single tree selection/crop tree marking techniques
4. Leave all hemlock and oak.
5. Delineate two acre retention area in stand 40 and one acre retention in stands 40 and 45.
6. Retention areas must be a representative sample of the stand.
7. Create regeneration canopy gaps where possible.

**Access: From Marlette Road access by Kenyon trail for stands 4 and 40 and Hartwick road for stand 45.**

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE

### CONTRACT WORK CAN BEGIN

Immediately  Date: \_\_\_\_\_

**CONTRACT WORK MUST BE COMPLETED BY** Date 08/01/2008

**PAINT LINE WORK – Stands 4 and 40**

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

**Paint line work to be performed: Stands 4 and 40 (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 checked="" 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 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**

Contractor is to be watchful for possible Goshawk nest and report any to the contract administrator. If one is located, a five chain buffer will be made where no marking can occur.

**Standards for marking lines against private land**

Responsibility of State Forester.

**AREA CALCULATION – Stands 4 and 40**

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    Map and acres	PDOP 6
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:**

Paint line and area calculation work are only required for stands 4 and 40. See attached map for locations.

**TIMBER CRUISING SPECIFICATIONS – Stands 4, 40, and 45**

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

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

**Cruise Line Directions**    East-West

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Stand 4	1	3 X 3.3
Stand 40	1	3 X 3.3
Stand 45	1	3 X 3.3
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		84

**Cruise Special Instructions:**

Sawlogs marked and cruised 100%. Pulpwood marked and point sample cruised.

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

**TIMBER MARKING SPECIFICATIONS – Stands 4, 40, and 45**

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):** 70 (Minimum 50 to Maximum 80)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		0-3	30' crown to crown
Girdled Trees Per Acre		1-3	8" dbh and up
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	X plus one dot per log	12 inch	8 inch (9" DOB)
Sawbolts			
Pulpwood	/	4.6 inches	4 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
All sawlogs all species	1 : 1
Pulpwood trees to be point sampled.	1 : 1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

These stands are primarily red maple with sugar maple, beech, and aspen. Manage for the best tree in place, but discriminate in favor of the sugar maple. Create regeneration gaps where lower quality trees exist. Mark all trees in the regeneration gaps. Do not mark quality trees to create regeneration gaps. For sawlog trees paint dots on one side of the tree only to represent the number of 8' logs cruised. Each sample point is to be recorded and clearly marked on the ground for the administrating Forester to locate and review. Stump marks are to be placed from the ground up one foot and clearly visible. Do not mark on rainy days or with snow around the stumps. Mark at least one tree per stand with "DROP" for timber sale producer to cut. "Drop" tree should be 10" or greater dbh with few limbs so that the bole of the tree when felled contacts the ground. Do not stump mark drop trees.

**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 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 Gregory Gatesy at (989) 732-3541 ext 5441, to make arrangements for paint.
2. Paint will be supplied from (location).
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.