



TIMBER SALE PRESCRIPTION

GENERAL

Date 2/12/2008	Forest, Mineral and Fire Management Unit GAYLORD FMU
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 41 Stand 41

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

T33N R4W Section(s) 33 Description W1/2SE & E1/2SW

Year of Entry: 2007 Compartment(s):41 Stand Number(s): 41

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres:32.4 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
41	M9	32.4	100	Selection	Northern Hardwoods

PRESCRIPTION

1. Mark to reduce BA to 70 sqft using single tree selection/crop tree release marking techniques.
2. Leave all conifers.
3. Do not cut steep hills.
4. Create 60' crown openings centered on marked to cut oak less than 16" dbh.
5. Remove all trees within gap except conifers and oak.
6. Retention area responsibility of the DNR.
- 7.
- 8.
- 9.
- 10.

Access: Thumb Lake Road to Slashing Road.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
DNR FMFM will prepare timber sale lines	5/1/2008

CONTRACT WORK CAN BEGIN
 Immediately Date: 5/1/2008
CONTRACT WORK MUST BE COMPLETED BY Date 9/15/08

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"/>		Blue	<input type="checkbox"/> Other:
Sale boundary		<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

Contractor is to be watchful for possible Goshawk or Red Shoulder Hawk 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

AREA CALCULATION

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

UNIT	METHOD	STANDARD
Sale	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 North-South

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Stand 41	1	3 X 3.5
	1	X
	1	X
		X
TOTAL NUMBER OF CRUISE POINTS		33

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

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	60' 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

This stand is primarily red maple, sugar maple, beech, and oak. Manage for the best tree in place, but discriminate in favor of the oak and sugar maple. Create regeneration gaps where lower quality trees exist. Mark all trees in the regeneration gaps except oak and conifers. 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 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 Greg 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.