



TIMBER SALE PRESCRIPTION

GENERAL

Date 3/31/2008	Forest, Mineral and Fire Management Unit GAYLORD FMU
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 60 Stands 4 and 18

LOCAL CONTACT

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

Map of Project Area Attached

LEGAL DESCRIPTION

T29N R05W Section(s) 6 Description S1/2/SW, NESW & W1/2SE and section 7 SWSW

Year of Entry: 2008 Compartment(s):60 Stand Number(s): 4 & 18

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 139 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	124	130	selection	Northern Hardwoods
18	M6	15	110	selection	Northern hardwoods

PRESCRIPTION

1. Mark stand 4 to reduce BA to 90 sqft using single tree selection/crop tree marking techniques.
2. Mark stand 18 to reduce BA to 80 sqft using single tree selection/crop tree marking techniques
3. Leave 5 sqft BA of target BA for retention with minor species, snags and den trees.
4. Protect small inclusions of M3.
5. Create regeneration canopy gaps where possible.
- 6.
- 7.
- 8.
- 9.
- 10.

Access Located on Cinder Hill Rd north of Mancelona road.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Corners located and private lines established.	04/15/2008

CONTRACT WORK CAN BEGIN

Immediately Date:

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"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/> Yellow	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

Exclusions to mark and why

Standards for marking lines against private land

Responsibility of State Forester

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 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:

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 As determined by contractor

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Stand 4	1.7 acres per plot/71 plots	4 X 4
Stand 18	1 plot per acre/18 plots	3 X 3
		X
		X
TOTAL NUMBER OF CRUISE POINTS	89	

Cruise Special Instructions:

Mark and point-sample pulpwood. Mark and tally logs 100%.

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): 80-90 (Minimum 60 to Maximum 130)

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 inches	8 inches
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
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Mark on both sides of tree. 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 tallied. 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 Gaylord 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.