



MICHIGAN DEPARTMENT OF NATURAL RESOURCES
FOREST, MINERAL AND FIRE MANAGEMENT

TIMBER SALE PRESCRIPTION

GENERAL					
Date February 1, 2006			Forest Management Unit Gwinn		
Timber Sale Number (if applicable) 32-101-07-01			Sale Name (or prescription name) Towering Hardwood Sale		
LOCAL CONTACT					
Telephone Number (906) 485 - 1966			FAX Number (906) 485 - 6200		
Name Dean Wilson			Email Address wilsonde@michigan.gov		
<input checked="" type="checkbox"/> Map of Project Area Attached					
LEGAL DESCRIPTION					
T45N R28W Section(s) 35, 36 Description					
Year of Entry: 2008 Compartment(s):270 Stand Number(s): 23, 25					
THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE					
Estimated Acres: 99 Source: <input type="checkbox"/> OI <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Other _____					
Payment will be made on the basis of these estimated acres.					
TREATMENT & OBJECTIVE					
STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
23	M	49	120	selection	M
25	M	50	120	selection	M
PRESCRIPTION					
1.Reduce stand stocking levels to between 70 and 90 square feet of basal area per acre.					
2.Release 50 to 70 crop trees per acre.					
3.Maintain tree species diversity in the stand.					
4.Mark the stand in a manner that facilitates mechanized harvesting.					
5.Maintain a softwood component in the stand.					
6.Retain 3 to 6 wildlife\den trees per acre.					
Access: Off County Road 550.					
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 8 / 31 / 07

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
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

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 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	slashes and dots	12	10
Sawbolts			
Pulpwood	dots	5	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
sawlogs	1 : 1
	1 :
	1 :
	1 :

SPECIES TO FAVOR:

Sugar maple, yellow birch.

SPECIES TO FAVOR:

All conifers and elm will not be marked.

SPECIAL MARKING INSTRUCTIONS:

Pulp trees will be marked using two marks above five feet from the ground on opposite faces of the tree. Sawlog trees will be marked on one side with two slashes, and on the other with one slash and a dot to represent each log counted. Stump marks will extend from ground level to at least one foot up the base of the tree and be in contact with bark not moss or lichens.

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 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 Gwinn at (906) 346 - 9201, to make arrangements for paint.
2. Paint will be supplied from 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.