



MICHIGAN DEPARTMENT OF NATURAL RESOURCES
FOREST, MINERAL AND FIRE MANAGEMENT

TIMBER SALE PRESCRIPTION

GENERAL					
Date 06/06/2006			Forest, Mineral and Fire Management Unit 32 Gwinn		
Timber Sale Number (if applicable) 32-012-07-01			Sale Name (or prescription name) Muehrcke Road Hardwood		
LOCAL CONTACT					
Telephone Number (906) 346 - 9201			FAX Number (906) 346 - 9681		
Name Jerry Mohlman			Email Address mohlmang@michigan.gov		
<input checked="" type="checkbox"/> Map of Project Area Attached					
LEGAL DESCRIPTION					
T45N R25W Section(s) 32 Description NENE ,NWNE ,SENE ,NENW					
Year of Entry: 2007 Compartment(s):31 Stand Number(s): 40					
THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE					
Estimated Acres: 53 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
40	M6	53	110	Selection	Northern Hardwood
PRESCRIPTION					
1. Favor best tree in place, strive for 50 crop trees per acre.					
2. Reduce basal area to approximately 80.					
3. Do not eliminate any species.					
4. Retain wildlife trees, at least two per acre.					
5. Mark in a manner that will accommodate modern mechanical equipment.					
6. Contact the Gwinn office for specific marking prescriptions					
Access: Good, off Muehrcke road but walk past gate as shown on map.					
DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK					ESTIMATED DATE
Lines and GPS done.					
CONTRACT WORK CAN BEGIN:					
<input checked="" type="checkbox"/> Immediately <input type="checkbox"/> Date:					
CONTRACT WORK MUST BE COMPLETED BY: Date 07/31/2007					

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 checked="" type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input 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 checked="" type="checkbox"/> Other: // red
Stand type line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

Exclusions to mark and why:

Do not mark hemlock, cedar, oak, red pine, white pine. We are retaining all individuals of these species in this stand

Standards for marking lines against private land:

Do not mark trees with blue paint. Do not mark trees leaning toward private land along the property lines.

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 checked="" 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:

DNR will cruise pulpwood

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	double slash	11 inches	9 inches
Sawbolts			
Pulpwood	single slash or dot	5 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
sawlog	1 : 1
	1 :
	1 :
	1 :

SPECIES TO FAVOR:

Sugar Maple

SPECIES TO FAVOR:

Oak, Yellow Birch, Cherry

SPECIAL MARKING INSTRUCTIONS:

Emphasis is on crop tree release. Pulpwood trees need a spot or slash on both sides of the tree at breast height. Sawlog trees need a double slash on one side, and a single slash plus a spot for each eight foot sawlog on the opposite side at breast height. Stump marks must hit the duff and be on bark, not moss.

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 Jerry Mohlman 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.