



MICHIGAN DEPARTMENT OF NATURAL RESOURCES
FOREST, MINERAL AND FIRE MANAGEMENT

TIMBER SALE PRESCRIPTION

GENERAL

Date 02-27-2006	Forest Management Unit Gwinn
Timber Sale Number (if applicable) 32-02-07-01, 32-03-07-01	Sale Name (or prescription name) Carlshend Hardwood

LOCAL CONTACT

Telephone Number (906) 346 - 9201	FAX Number (906) 346 - 9681
Name John Koski	Email Address koskij@michigan.gov

Map of Project Area Attached

LEGAL DESCRIPTION

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T45N R24W Section(s) 25,26,36 Description S.25-N1/2N1/2, SESW, S.26-SESE, S36-N1/2, NESE

Year of Entry: 2007 Compartment(s):16 Stand Number(s): 4, 7, 21, 31, 34, 35, 51

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 110.5 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	15.7	140	Selection	Northern Hardwoods
7	M6	46	130	Selection	Northern Hardwoods
21	M6	3	140	Selection	Northern Hardwoods
31	M6	5.7	170	Selection	Northern Hardwoods
34	M6	16	130	Selection	Northern Hardwoods
35	M6	17.7	110	Selection	Northern Hardwoods
51	M6	6.4	160	Selection	Northern Hardwoods

PRESCRIPTION

1. Favor best tree in place, strive for 50 crop trees per acre.
2. Reduce stand basal area to approximately 80.
3. Retain minor species component of stand, cedar, hemlock and pine.
4. Mark the balsam, spruce and aspen in the stand also.
5. Mark in a manner that will accommodate modern mechanical equipment.
6. Contact the -Gwinn office for specific marking prescription.
Access: North of Stack Grade, and Southeast of Little Lake.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All lines and GPS - Done	

CONTRACT WORK CAN BEGIN:
 Immediately Date:
CONTRACT WORK MUST BE COMPLETED BY: Date 7/31/07

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		0	
Girdled Trees Per Acre		0	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	double slash	12 inches	9 inches
Sawbolts			
Pulpwood	single slash	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"/>	x Orange Other

TALLY INTENSITIES

SPECIES / PRODUCT	RATIO
	1 :
	1 :
	1 :
	1 :

SPECIES TO FAVOR:

Sugar Maple

SPECIES TO FAVOR:

SPECIAL MARKING INSTRUCTIONS:

Pulpwood trees need a single slash mark on opposite sides at breast height. Sawlog trees need a double slash on one side, and on the opposite side, a single slash plus a dot for each 8 foot sawlog. 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 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 John at 906/346/9201 x 12 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.