



TIMBER SALE PRESCRIPTION

GENERAL

Date 8/1/2006	Forest, Mineral and Fire Management Unit Baraga
Timber Sale Number (if applicable) 11-014-07-01	Sale Name (or prescription name) Horseshoe Hdwd

LOCAL CONTACT

Name Jason Mittlestat	Telephone (906) 353 - 6651
Email Address mittlesj@michigan.gov	FAX Number (906) 353 - 7464

Map of Project Area Attached

LEGAL DESCRIPTION

T51N R36W Section(s) 7 & 8 Description E 1/2 of Sec 7, W 1/4 of Sec 8

Year of Entry: 2007 Compartment(s):51 Stand Number(s): 12, 13, 18

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 169 Source: OI GPS Other IFMAP
Payment will be made on the basis of these estimated acres.

TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
12	M9	71	120	Selection	Northern Hdwd
13	M9	26	120	Selection	Northern Hdwd
18	M9	72	120	Selection	Northern Hdwd

PRESCRIPTION

1. Mark trees to be cut. Favor the best future crop tree in place, regardless of species.
 2. Mark payment unit lines in yellow. Stand #12 will be 2 payment units, #13 will be 1 payment unit, #18 will be 2 payment units.
 3. Leave active den and nest trees. Favor oak, hemlock, and pine.
 4. The objective is to grow N. Hdwd to a 22" DBH.
 5. Retain all hemlock and pine unless removal is needed for operability.
 6. Release oak on three sides to a residual BA of 60 sq ft.
 7. Where there is more than 30 sq ft of hemlock mark down to 100 sq ft.
 8. GPS all roads within the sale area. GPS corners.
 9. Label sale name and unit numbers at all unit & road intersections
 10. Label units when unit line is adjacent to roads. Labeling is to be done in red aerosol paint.
- Access** Off of Clear Lake Road

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
DNR Survey Work	May 31, 2007

CONTRACT WORK CAN BEGIN

Immediately Date: _____

CONTRACT WORK MUST BE COMPLETED BY Date Lines by 7-15-07, Marking by 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Blue	<input type="checkbox"/> Other: See **
Sale boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Red	<input type="checkbox"/> Other: See **
Sale cutting unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Yellow	<input type="checkbox"/> Other: See **
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

All lines must be flagged w/ pink ribbon, and painted so as to be visible from all vantage points along the line. GPS can be used to approximate line placement, but the final line must essentially be straight, and extend corner to corner.

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	
Payment Unit	<input checked="" 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:

Provide corrected GPS files compatible with Pathfinder software or ??? ArcView ???

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): 70 (Minimum 60 to Maximum 80)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		n/a	
Girdled Trees Per Acre		n/a	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	slash on 2 sides w/dots	10"	8"
Sawbolts			
Pulpwood	slash on 2 sides. see *	6"	4"

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input type="checkbox"/>	<input 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
Hardwood pulp	1 : 20
Softwood pulp	1 : 10
Aspen (all as pulp)	1 : 10
Sawlogs	1 : 1

SPECIES TO FAVOR

Oak, Hemlock, White Pine, Cedar

SPECIES TO FAVOR

SPECIAL MARKING INSTRUCTIONS

Put upper marks on two opposite sides of trees 6' up. The contractor must furnish the DNR with plot data showing residual BA/Ac for payment units to be checked (Self Admin). This is due before The DNR checks the marking. The contractor is responsible for checking all workers on the sale. Final marking details are to be discussed at a prework conference.

* Every tally pulpwood tree should have a slash for every tallied 8' stick.

** Line marks must be atleast 6' high, be flagged w/pink ribbon, and painted so as to be visible from all vantage points along the line.

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 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 Jason Mittlestat at (906) 353 - 6651, to make arrangements for paint.
2. Paint will be supplied from Baraga OSC.
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.
5. 30% of bid amount will be paid upon line work completion and approval.