



TIMBER SALE PRESCRIPTION

GENERAL

Date 03/26/2009	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-027-09-01	Sale Name (or prescription name) Compartment 86 Oak

LOCAL CONTACT

Name Jim Malloy	Telephone (231) 824 - 9080
Email Address malloyj@michigan.gov	FAX (231) 824 - 9340

Map of Project Area Attached

LEGAL DESCRIPTION

T24N R06W Section(s) 1, 2 Description E 1/2 of section 2 and NESW of Section 1

Year of Entry: 2007 Compartment(s):86 Stand Number(s): 38, 50

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 142 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
38	09	49	50-80	Sys. Thinning	Mixed Oak
50	09	93	140-170	Shelterwood	Mixed Oak

PRESCRIPTION

- Stand 38
1. Leave 3-5 dead/high risk oak per acre for stand-level diversity concerns.
 2. Cut to mark oak to a residual BA of 40 sq. ft.
 3. Target dead dying and high risk oak to remove
 4. Remove all aspen and red maple

- Stand 50:
1. Thin the red and white oak. Remove all aspen and red maple.
 2. Target residual of 40 sq.ft. of good candidates for oak seed trees.

Retention in both stands will be accomplished with residual trees

Access

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 09/01/2009

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:
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 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

Retention will be residual trees left after harvest. No special retention is required.

Standards for marking lines against private land

Contact Manton office for survey information. Private lines have been surveyed and corners are in place.

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 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:

GPS file to be compatible with Pathfinder office or ArcMap shapefile.

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)
1	1	3 X 3
2	1.5	3 X 4
		X
		X
TOTAL NUMBER OF CRUISE POINTS	111	

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

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Precise specifications to be delineated at pre-work meeting with DNR staff

Total Merchantable Residual BA (Basal Area): 40 (Minimum 30 to Maximum 50)

TREATMENT	NUMBER	SIZE	
Regeneration Gaps Per Acre	2	60'	
Girdled Trees Per Acre	N/A		
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Double Slash	10"	8"
Sawbolts			
Pulpwood	Single Slash	4.6"	4.0"

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
Sawlogs	1 : 1
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Mark sawlogs with a double slash and dots for each log called in the tree.

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 Jim at (231) 824 - 9080, to make arrangements for paint.
2. Paint will be supplied from Manton 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.