



TIMBER SALE PRESCRIPTION

GENERAL

Date 3/13/2008	Forest, Mineral and Fire Management Unit Cadillac
Timber Sale Number (if applicable) 63-017-08-01	Sale Name (or prescription name)

LOCAL CONTACT

Name Jim Malloy	Telephone (231) 824 - 3591
Email Address malloyj@michigan.gov	FAX (231) 824 - 9340

Map of Project Area Attached

LEGAL DESCRIPTION

T24N R12W Section(s) 28, 29, 32 Description Various

Year of Entry: 2008 Compartment(s):063 Stand Number(s): 35, 54, 62, 63, 76

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 191 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
35	M6	14	120-140	Thinning	Mixed N. Hardwoods
54	M6	14	120-140	Thinning	Mixed N. Hardwoods
62	M6	51	120-140	Thinning	Mixed N. Hardwoods
63	M6	31	120-140	Thinning	Mixed N. Hardwoods
76	M6	81	110-130	Thinning	Mixed N. Hardwoods

PRESCRIPTION

1. For all stands. All aspen and ironwood to be removed by spec. No marking for these species.
2. Mark orange to cut for all other species.
3. Target residual BA 80 for all stands.
4. Leave all snags and den trees
5. Do not mark hemlock.
- 6.
- 7.
- 8.
- 9.
- 10.

Access See attached map.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Boundary line work	04/11/2008

CONTRACT WORK CAN BEGIN

Immediately Date: 04/11/2008

CONTRACT WORK MUST BE COMPLETED BY Date 09/15/2008

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

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 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:

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 TBD at pre-work meeting

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
35, 54, 63	1	3 X 3
62, 76	.833	3 X 4
		X
		X
TOTAL NUMBER OF CRUISE POINTS	164	

Cruise Special Instructions:

Cruise all aspen and ironwood.
 Cruise all aspen sawlogs to an 8" top (dib)
 Cruise all marked pulpwood that will yield at least one 8' pulp stick to a 4"(dib) top
 All other hardwood sawlogs to be total tree tallied.
 Cruise and record residual BA at each plot.

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 Merchantable Residual BA (Basal Area): 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		2	25' dia
Girdled Trees Per Acre		N/A	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	X and dot per 8' log	10"	8"
Sawbolts	N/A		
Pulpwood	Single Slash	5"	4.5"

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
Hardwood sawlogs	1 : 1
Pulp sticks: See cruising specs.	1 :
Aspen & ironwood: See cruising specs.	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Follow guidelines in Compleat Marker

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 Jim at (231) 824 - 3591, 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.