



TIMBER SALE PRESCRIPTION

GENERAL

Date 01/19/2010	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-014-10-01	Sale Name (or prescription name) 118 Oak/Aspen

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 R08W Section(s) 18 Description Most of Section

Year of Entry: 2010 Compartment(s):118 Stand Number(s): 36

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 285 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
36	09	285	110-140	Shelterwood	Oak/Aspen

PRESCRIPTION

1. Target a residual BA of 50.
2. Harvest all aspen and red maple.
3. Mark oak to cut, target those oaks greater than 8" dbh for removal.
4. Leave all pine and cherry.
5. Release advanced oak regeneration where found.
6. Leave two wolfy oaks per acre for mast.
7. Goal of treatment is a mix of oak, aspen, maple, and pine.
- 8.
- 9.
- 10.

Access See Map

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 08/30/2010

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 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"/> Red	<input type="checkbox"/> Other:

Exclusions to mark and why

300 ft. Buffer along Hopkins Creek needs to be applied where needed due to natural river concerns. This is measured from the edge of the streambed.

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 checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	

Special Instructions:

Final shapefile given to the DNR needs to be in ArcView shapefile format. (*.shp)

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)
Stand 36	.4	6 X 7
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS	112	

Cruise Special Instructions:

Cruise all sawlogs to a 8" top, and all pulpwood to a 4.0" top (DIB). Point sample method crusing for all products and species. Cruise all unmarked oaks greater than 8" dbh all unmarked pine over 4" dbh, all aspen, and all red maple.

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): 50 (Minimum 40 to Maximum 60)

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre		
Girdled Trees Per Acre		

PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Single slash	9.1 "	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
	1 :
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Do not selectively mark within multiple-stemmed clumps; either mark them all or leave them all. Leave 2 large wolfy oaks per acre for mast but concentrate the leave trees toward those with less advanced regeneration underneath them. Residual BA is a goal in areas dominated by oaks. In areas of aspen and maple there will be little to no residual BA. There are also small scattered openings throughout this stand that will have no residual BA.

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.