



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 01/19/2010	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-013-10-01	Sale Name (or prescription name) 120 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 R08W Section(s) 11 Description NW, W1/2 NE, N1/2 SW

Year of Entry: 2010 Compartment(s):120 Stand Number(s): 53, 64, 81

## THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 133 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
53	09	23	50-80	Shelterwood	Oak/Pine
64	09	78	110-140	Shelterwood	Oak/Pine
81	09	32	50-80	Shelterwood	Oak/Pine

## PRESCRIPTION

1. Target a residual BA of 40 for stand 53.
2. Target a residual BA of 60 For stand 64.
3. Target a residual BA of 50 for stand 81.
4. Harvest all aspen and red maple and mark oak to cut in stands 53 and 64.
5. Harvest all aspen and mark oak and red maple to cut in stand 81
6. Do not cut any pine in any stands.
7. Release advanced oak regeneration where found.
8. Goal of treatment is a mix of oak, aspen, maple, and pine.
9. In stand 64 do not mark trees to cut located adjacent to the recreation trails.

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

**Exclusions to mark and why**

Mark each stand boundary with red paint.

**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)
All	1	3 X 3
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>	94	

**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 orange marked trees, all aspen, and all red maple in stands 53 and 64.

**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):**

Stand 53: 40 (Minimum 30 to Maximum 50)

Stand 64: 60 (Minimum 50 to Maximum 70)

Stand 81: 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**

In stand 64 the goal is to remove 50% of the current crown cover. The target BA of 60 is a goal in areas where there is no aspen or maple to be removed. In areas dominated by aspen and maple the residual BA will be less. In stand 64 leave trees adjacent to the ORV and Snowmobile trails to keep the stand delineated. Also do not mark to cut any trees with ORV trail markers on them.

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 - 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.