



TIMBER SALE PRESCRIPTION

GENERAL

Date 11/10/2010	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-005-10-01	Sale Name (or prescription name) 136 Pine

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 R10W Section(s) 13, 22, 23, 34 Description Section 13 E1/2 SW, 22 SW, 23 NWNW, 34 NWNE

Year of Entry: 2010 Compartment(s):136 Stand Number(s): 49, 56, 62, 79, 80, 81, 84, 104

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 131 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
49 - Unit 1	R6	38	170-200	Thinning	Red Pine
56 - Unit 3	R6	22	170-200	Thinning	Red Pine
62 - Unit 2	R6	9	140-170	Thinning	Red Pine
79 - Unit 5	R9	9	170-200	Thinning	Red Pine
80 - Unit 5	R6	13	170-200	Thinning	Red Pine
81 - Unit 5	R6	12	170-200	Thinning	Red Pine
84 - Unit 5	R6	11	170-200	Thinning	Red Pine
104 - Unit 4	R6	17	170-200	Thinning	Red Pine

PRESCRIPTION

1. In all stands thin pine to a residual BA of 120.
2. Leave all hardwood in stands unless necessary for access.
- 3.
- 4.
- 5.

Access See Map

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE

CONTRACT WORK CAN BEGIN

Immediately Date: 12/01/2009

CONTRACT WORK MUST BE COMPLETED BY Date 07/30/2010

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

Exclusions to mark and why

Buffer along Buttermilk Creek 100ft away froms stream edge.

Standards for marking lines against private land

Private Boundary will be marked by the state.

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:**TIMBER CRUISING SPECIFICATIONS** This is included in the bid This is not included in the bidRequired 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
TOTAL NUMBER OF CRUISE POINTS	130	

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. A 20 factor may be used to cruise in clear cut units if density is higher than 10 trees per plot (per discussion with contract administrator).

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): 120 (Minimum 110 to Maximum 130)

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

Mark from below to remove suppressed trees and defect. Target to remove 1/3 of stand. Mark to keep adequate spacing where necessary. Mark for best tree in place.

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.