



TIMBER SALE PRESCRIPTION

GENERAL

Date 10/08/10	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-002-11-01	Sale Name (or prescription name) 131 Trail Pines

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 R09W Section(s) 16, 21, 22 Description Sect. 16 SWSE, Sect. 21 NE, Sect. 22 NWSW, W 1/2 NW

Year of Entry: 2011 Compartment(s):138, 51 Stand Number(s): 1, 2, 5, 125(51)

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 218 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
01	MC6	25	80-110	Group Selection	Red Pine
02	MC6	75	80-110	Group Selection	Red Pine
05	MC6	104	80-110	Group Selection	Red Pine
125	R9	14	80-110	Group Selection	Red Pine

PRESCRIPTION

1. Remove all jack pine, aspen, and red maple
2. Mark oak and red pine to cut
3. Residual BA of oak/pine 50sqft.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Access See Map

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
N/A	

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date 07/30/2011

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

A visual buffer along the recreation trail and highway will be necessary. This will require more trees to be left adjacent to the highway and along the trail to protect the integrity of the trail.

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:

Total acreage for individual stands will be required. A shapefile compatible with ArcMap will be required to be submitted.

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)
01, 125	1	3.3 X 3.3
02	.8	3.3 X 4
05	.7	4 X 4
		X
TOTAL NUMBER OF CRUISE POINTS	~163	

Cruise Special Instructions:

Cruise all sawlogs to a 9" top, and all pulpwood to a 4.5" top (DOB). Point sample method cruising for all products and species.

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	N/A	

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
All	1 : 1
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Do not selectively mark within multiple-stemmed clumps; either mark them all or leave them all. There are also scattered areas throughout this stand that will have no residual BA due to removal of aspen/maple/jack pine. Leave trees should have good mast producing potential.

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.