



TIMBER SALE PRESCRIPTION

GENERAL

Date 9/20/2011	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-001-12-01	Sale Name (or prescription name) 112 Red 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

T23N R07W Section(s) 24 & 25 Description Section 24 SW, Section 25 NE, NW

Year of Entry: 2012 Compartment(s):112 Stand Number(s): 41, 47, 49, 56

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 114 Source: OI GPS Other IFMAP

Payment will be made on the basis of these estimated acres.

TREATMENT & OBJECTIVE

Unit #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
1	R6	44	140-180	Thinning	Red Pine
2	R6	28	140-180	Thinning	Red Pine
3	UM	42	50-80	Thinning	Red Pine

PRESCRIPTION

1. Within unit 1 and 2 thin red pine to a residual BA of 110. Mark aspen and red maple to be removed to facilitate harvest operations.
2. Within unit 3 thin pine and oak to a residual BA of 90.
3. Within all stands target red oak for removal due to the presence of oak wilt in the area.
4. Retain a residual BA of no greater than 30 for red oak in all stands.
- 5.
- 6.
- 7.
- 8.
- 9.

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 07/30/2012

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 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

Standards for marking lines against private land

Private boundary lines will be delineated by the DNR prior to work beginning

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 cut 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 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	114	

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):

Units 1 and 2: 110 (Minimum 100 to Maximum 120)

Unit 3: 90 (Minimum 80 to Maximum 100)

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
All	1 : 1
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Pine marking is to consist of removal of defect and suppressed trees from the plantation. Mark other species as necessary for access to marked pine. Retain the healthiest and most vigorous oaks present in the stand. Oak wilt is present in this area. Advise the local contact if further evidence of oak wilt is found during work.

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.