



TIMBER SALE PRESCRIPTION

GENERAL

Date 06/15/2010	Forest, Mineral and Fire Management Unit Roscommon FMU
Timber Sale Number (if applicable) 71-001-11-01	Sale Name (or prescription name) Old Orchard Red Pine

LOCAL CONTACT

Name Jason Hartman	Telephone (989) 275 - 4622
Email Address hartmanj@michigan.gov	FAX (989) 275 - 6203

Map of Project Area Attached

LEGAL DESCRIPTION

T23N R2E Section(s) 15, 21, 22 Description
 Year of Entry: 2011 Compartment(s):194 Stand Number(s): 48,72,94,99,108,110

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 89 Source: OI GPS Other _____

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

TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
48	R6	11	180	2nd thinning	future utility poles
72	R6	24	180	2nd thinning	future utility poles
94	R6	9	200	2nd thinning	future utility poles
99	R6	11	200	2nd thinning	future utility poles
108	W6	18	120	Thinning	white pine crop tree
110	R6	16	180	2nd thinning	future utility poles

PRESCRIPTION

1. Stands 48, 72, 110. Reduce residual BA to 110(100-120).Thin from below and remove defect.
2. Stands 94 and 99. Reduce residual BA to 120 (110-130). Thin from below and remove defect.
3. Stand 108. Reduce to 80 ft (70-90). Identify the best stems to leave and thin around them.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Access There are plowed roads leading to each stand. Work can commence as soon as tree wells form for stump marks.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Red painted sale boundary	03/01/2011

CONTRACT WORK CAN BEGIN

Immediately Date: 03/15/2011

CONTRACT WORK MUST BE COMPLETED BY Date 07/15/2011

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 type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input 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

AREA CALCULATION

This is included in the bid This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input 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:

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)
		X
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

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):

Stands 48, 72, and 110: 110 (Minimum 100 to Maximum 120)
 Stands 94 and 99: 120 (Minimum 110 to Maximum 130)
 Stand 108 : 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		NA	
Girdled Trees Per Acre		NA	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Slash on both sides		
Sawbolts	NA		
Pulpwood	Slash on both sides		

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAIN T COLOR
Trees marked to leave	<input type="checkbox"/>	<input checked="" 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
NA	1 :
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Paint marks must be dark enough to last for a three year contract. Do not thin multi-stemmed trees. Cut all stems in doubles or leave them both.

Gallon or quart paint can be provided, but gallons would be preferred.

No timber cruise is required. However, documentation of residual BA check plots must be available at any time of inspection.

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 Jason Hartman at (989) 275 - 4622, to make arrangements for paint.
2. Paint will be supplied from Roscommon 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.