



## TIMBER SALE PRESCRIPTION

**GENERAL**

Date 6/21/2011	Forest, Mineral and Fire Management Unit Roscommon
Timber Sale Number (if applicable) 71-003-12-01	Sale Name (or prescription name) 402 Red Pine

**LOCAL CONTACT**

Name Dale Ekdom	Telephone (989) 275 - 4622
Email Address ekdomd@michigan.gov	FAX (989) 275 - 6203

**Map of Project Area Attached**

**LEGAL DESCRIPTION**

T21N R04W Section(s) 17 Description SWNE; S1/2NW; SW1/4

Year of Entry: 2012 Compartment(s):151 Stand Number(s): 42,51

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

Estimated Acres: 140 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
42	R9	2	170	Thinning	RP Logs/Poles
51	R9	138	140	Thinning	RP Logs/Poles

**PRESCRIPTION**

1. Stand 42 - thin to reduce residual basal area to 90 - 110 SF/Acre. Identify the best trees and thin around them. Concentrate on removing defect such as crook, double trees, double tops and suppressed first and then reducing BA to the target BA. Save red pine monarch trees where possible.
2. Stand 51 - thin to reduce the residual basal area to 90 - 110 SF/Acre, identify the best trees and thin around them. Concentrate on removing defect such as crook, double trees, double tops, and suppressed first and then reducing BA to the target BA. Favor high quality white pine stems over red pine stems of lesser quality. Save understory pine and oak where possible.

**Access** Access is via Old 27 south of M-55. Turn west on Co. Rd. 402 approximately 2 miles

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Boundary line work and acreage determination	10/15/2011

**CONTRACT WORK CAN BEGIN**

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date 08/15/2012

**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 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
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**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):** 100 SF (Minimum 90 SF to Maximum 110 SF)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		N/A	N/A
Girdled Trees Per Acre		N/A	N/A
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs			
Sawbolts			
Pulpwood			

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**

Paint marks must be dark enough to last for a three year contract. Stump marks must extend from the tree onto the ground (approx. 2/3 tree & 1/3 ground) and tree marks must be able to be seen from at least three sides of the tree. Do not thin multi-stemmed trees - cut all stems or leave all stems in multi-stemmed trees.

Gallon or quart paint can be provided but contractor must specify preference with plenty of lead time to make sure desired paint is available.

No timber cruise is required. However, documentation of residual BA check plots must be available at 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 Dale Ekdom 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.