



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 06/01/2011	Forest, Mineral and Fire Management Unit Naubinway
Timber Sale Number (if applicable) <b>45-101-11-01</b>	Sale Name (or prescription name) Gravy Pine AKA Red Pine Measurement Block

### LOCAL CONTACT

Name Don Kuhr	Telephone (906) 341-2518
Email Address kuhrd@michigan.gov	FAX ( ) -

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T42N R6W Section(s) 1 Description

Year of Entry: 2011 Compartment(s):103 Stand Number(s): 27

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

Estimated Acres: 80 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
27	R9	80	130	Final Harvest	Red Pine

### PRESCRIPTION

1. The cover is RP.  
 2.  
 3. All the RP are designated for harvest.  
 4.  
 5.  
 6.  
 7.  
 8.  
 9.

**Access** Town Line Rd.

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 30 days from PO issue

**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**    Systematic plot location with a random start. We must have 40 points per unit, unless otherwise approved by the DNR. Plot location must be sketched or GPS'ed on a map.

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
West Forty (sub-sample trees)	1	N/A X N/A
East Forty	1	N/A X N/A
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>	80	

**Cruise Special Instructions:**

Establish semi-permanent plots. Plot center will be set with something like a wooden stake, re-bar, PVC pipe or some other approved device. Stake must stick out at least 4" above the ground, be flagged, painted, numbered and easy to see. Numbering will start with 1 and end with 40. Additional flagging should be placed overhead so the plot may be easily located. All trees, whether 'cut' or 'leave', that are 'in' using a Limiting Distance Table with a Basal Area Factor of 10, will be marked and measured. Marking will consist of a horizontal line (about 6") at dbh and a tree number anywhere on the tree, but clearly visible from plot center. Tree number will start at 1 for each plot. Azimuth and distance to the center of the tree at the base from the plot center will be recorded along with species and dbh to the nearest 10<sup>th</sup>. DBH will be measured with a d-tape. On the 40 acre sub-sample area, every 4th tree "in" the point is marked (with a different color paint) with a unique ID# (a, b, c, etc); these are "sub-sample" trees. There can be no mistakes on 'in' and 'out' trees. When trees are near the edge of the stand, the 'walkthrough' method (Ducey et al 2004) will be used.

Stakes will be provided by the contractor. Aerosol paint will be supplied by the DNR.

Tally sheets will be provided by the contractor. Output from an electronic data recorder is acceptable.

**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): \_\_\_\_\_ (Minimum \_\_\_\_\_ to Maximum \_\_\_\_\_)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Orange <input type="checkbox"/> Other

**TALLY INTENSITIES**

SPECIES / PRODUCT	RATIO
	1 :
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Unless otherwise specified, the tally sheets used must be those provided by the Forest Management Unit.

**RESTRICTIONS**

1. Forest 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 Kuhr at (906) 341 - 2518, to make arrangements for paint.
2. Paint will be supplied from Wyman Nursery.
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 aerosol cans).
3. Tally summaries for each plot.
4. GPS files for any GPS work.