



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 10/30/2012	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable)	Sale Name (or prescription name) Comp 53 Contract

### LOCAL CONTACT

Name Linda Lindberg	Telephone (906) 875 - 6622 ex 1
Email Address lindbergl@michigan.gov	FAX ( ) -

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T42N R29W Section(s) 5 Description SE1/4, SENE, 4 SWSW, SWNW

Year of Entry: 2013 Compartment(s):53 Stand Number(s):

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

Estimated Acres:74 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
46	M6	19	120	Selection	M6
44	M6	20	120	Selection	M6
52	M6	35	120	Selection	M6

### PRESCRIPTION

1. Mark trees to cut. Favor the best tree in place, regardless of species.
2. Remove aspen and poorer quality hardwood stems first.
3. Leave all red and white pine, hemlock, cedar and oak.
4. Release oak to promote regeneration if present, 1-2 tree lengths from drip line.
5. Work to release crop trees by taking two competitors from trees > than 9" DBH
6. Crop trees < 9 inches should have all competitors removed within 7 feet of crown
7. These are all selection cuts and therefore will need to have 2-60' to 90' canopy gaps per acre. This happens by removing large crowned trees and cleaning out the area that will be left after the tree is removed.

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 **December 31, 2013**

**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)
1, 2, 3	1	2 X 5
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

Points will be evenly distributed throughout the stand. The Carlson Method will be used for cruising the pulp volume. Point Centers must be marked with a ribbon on a stick or sapling at the center with the point number visible on the ribbon and a corresponding point marked on the map. Logs will be 100% tallied. Marks must be at least 4 ft. above the ground to be seen by a processor operator. Use mixed hardwood pulp, basswood pulp, aspen, mixed softwood, oversize hardwood pulp, sugar maple logs, basswood logs and mixed hardwood logs. All logs should be 100% tallied while marking and the same should happen with the oversize pulp.

**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):** 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Slash and dots	11	10
Sawbolts			
Pulpwood	slash	4.6	4

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
Sawlogs	1 : 1
Oversized pulp	1 : 1
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Trees to harvest shall be marked with orange paint on two opposite sides with a slash. The Contractor must furnish the DNR with plot data showing the residual BA/plot for self regulation. This is due before the DNR does the final check of the marking. The contractor is responsible for Checking all workers on the sale. Final marking details are to be discussed at a prework conference.

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 Linda at (906) 875 - 6622 ex 133, to make arrangements for paint.
2. Paint will be supplied from the Felch 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.