



# TIMBER SALE PRESCRIPTION

**GENERAL**

Date 10/10/2012	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable)	Sale Name (or prescription name) Comp 140 contract

**LOCAL CONTACT**

Name Linda Lindberg	Telephone (906) 875 - 6622 - 133
Email Address lindbergl@michigan.gov	FAX (906) 875 - 3336

**Map of Project Area Attached**

**LEGAL DESCRIPTION**

T43N R33W Section(s) 6, 7 Description 6, E1/2, SENW; 7, N1/2NE, SWNE

Year of Entry: 2013 Compartment(s):140 Stand Number(s): 4, 5 and 11

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

Estimated Acres:189 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
4 - Units 1, 2	M9	47	120	Crown Thinning	Northern Hardwood
5 - Unit 3	M6	23	120	Crown Thinning	Northern Hardwood
11 - Units 4, 5, 6	M6	119	120	Selection	Northern Hardwood

**PRESCRIPTION**

1. Mark trees to be cut. Favor the best future crop tree in place, regardless of species.
2. Leave den and nest trees and let administrator know if you find a nest tree.
3. Retain all hemlock, oak, cedar and red and white pine.
4. Release oak to promote regeneration if present, 1-2 tree lengths from drip line.
5. GPS all roads within the sale area and GPS corners also.
6. Thin to 80 BA. If there are hemlock areas, just leave all of them according to administrator.
7. Remove trees by marking if they have cankers or seams.
8. For selection cut mark 2 to 3- 30 foot canopy gaps per acre. This happens by removing large crowned trees and cleaning out the area that will be left after the tree is cut for regeneration Cut all aspen, spruce and balsam with a stump diameter of 6 inches or greater. Thin to 80 BA leaving the best future crop tree in place.

**Access**

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 09/15/2013

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

**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 North/south

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
1, 2, 3, 4	1	2 X 5
5, 6	.67	3 X 5
<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 the cruising 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 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
	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 Crystal Falls 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.