



TIMBER SALE PRESCRIPTION

GENERAL	
Date 10/19/2011	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable) 12-001-12-01	Sale Name (or prescription name) Comp 67 Contract

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

Map of Project Area Attached

LEGAL DESCRIPTION	
T42N R27W Section(s) 18, 19, 20, 21, 29	Description See Map

Year of Entry: 2012 Compartment(s): 67 Stand Number(s): 2, 5, 6, 9, 25, 34

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 251 Source: OI GPS Other IFMAP

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

TREATMENT & OBJECTIVE					
STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
2	M9	78	120	Crown Thinning	Northern Hardwood
5	M6	20	120	Crown Thinning	Northern Hardwood
6	M6	8	120	Crown Thinning	Northern Hardwood
9	M9	34	120	Crown Thinning	Northern Hardwood
25	M9	48	120	Crown Thinning	Northern Hardwood
34	M6	63	120	Crown Thinning	Northern Hardwood
		251	Acres		

PRESCRIPTION	
<ol style="list-style-type: none"> 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 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. If white ash logs are present in the stand leave poor quality for seed source but take good trees due to the emerald ash borer threat. 9. Stand 9 has a wet area that should be lined out but have skidder crossings for access to other 	

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: Line work and area calculation by 4/13/2012 Cruising and Marking by 8/30/2012

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Blue <input type="checkbox"/> Other: 1.5 miles
Sale boundary	<input checked="" type="checkbox"/>	<input 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"/> Other:

Exclusions to mark and why

This work can be billed separately when the work is done and has been checked by the contract administrator

Standards for marking lines against private land

All lines must be flagged w/ pink ribbon, & painted so as to be visible from all vantage pt.s along the line. GPS can be used to approx. line placement, but the final line must be essentially straight, and extend corner to corner. GPS points are required every 5 chains along the blue lines

AREA CALCULATION

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

UNIT	METHOD	STANDARD
Sale	<input checked="" 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 checked="" 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 Generally North-South

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Stands 40 acres or less	1	3 X 3
Stands over 40 acres	see below	X
		X
		X
TOTAL NUMBER OF CRUISE POINTS	Generally 1 per GPS acre	

Cruise Special Instructions:

Each stand will be a separate unit. Number of points taken will be determined as follows for stands over 40 acres: $40 + (GPS \text{ acres} - 40) / 2$. Points will be spaced accordingly so that they are evenly distributed through the stand. The Carlson method will be used for 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 the 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 oversize hardwood pulp.

Unless otherwise specified, the tally sheets used must be those supplied by the Forest, Mineral and Fire Management Unit.

TIMBER MARKING SPECIFICATIONS

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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		na	
Girdled Trees Per Acre		na	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	slash x 2 w/dots f/logs	10	9.1
Sawbolts	NA		
Pulpwood	slash or dotx2 opposite	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
	1 :
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

Trees to harvest shall be marked with orange paint on two opposite sides with either a spot or a slash. The contractor must furnish the DNR with plot data showing 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, to make arrangements for paint.
2. Paint will be supplied from Crystal Falls or Felch if that can be worked out.
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.