



TIMBER SALE PRESCRIPTION

GENERAL	
Date 2/8/2012	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable)	Sale Name (or prescription name) Comp 72 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
T41N R29W Section(s) 3, 4, 9 Description See Map

Year of Entry: 2012 Compartment(s):72 Stand Number(s): 20, 29, 33, 47

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres:129 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
20	M9	34	120	Selection	Northern Hardwood
29	M6	27	120	Selection	Northern Hardwood
33	M6	46	120	Selection	Northern Hardwood
47	M9	22	120	Selection	Northern Hardwood
		129	Acres		

PRESCRIPTION
<ol style="list-style-type: none"> 1. Mark trees to be cut down to 80 BA, favoring 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. Release oak (if present) to promote regeneration, 1-2 tree lengths from drip line. 4. If there are hemlock areas, leave them as specified by the administrator. 5. 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. 6. The majority of the aspen and the white birch (that are still alive) are to be marked, leaving a few for diversity. Areas of maple with dead and dying tops exist throughout the sale; concentrate removal of those trees with small, thin tops that are unlikely to survive till the next entry. 7. In units with orange paint from the past, different color paint must be used.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All boundary and property lines are in.	

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Marking by August 1, 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"/> Other:
Sale boundary		<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 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: #pts.=40+(GPS 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

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		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 on opposite sides	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 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. This sale is accessed partly through private land and landowners must be aware of time you are going through their property. There are steep areas to mark in these stands and marker should be aware and mark up and down steep areas for access by machinery.

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.