



TIMBER SALE PRESCRIPTION

GENERAL

Date 12/4/2009	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 21 Contract Sale

LOCAL CONTACT

Name Linda Lindberg	Telephone (906) 875 - 6622
Email Address lindberg1@michigan.gov.	FAX Number (906) 875 - 3336

Map of Project Area Attached

LEGAL DESCRIPTION

T44N R27W Section(s) 5,6 Description 5-NW1/4,NWSW,W1/2NE,6-W1/2NE,NESE; T45NR27W 31-SESE,32-SWSW

Year of Entry: 2010 Compartment(s):21 Stand Number(s): 1,3

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 174 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
1	M6	12		Selection	M6
3	M6	162		Selection	M6

PRESCRIPTION

1. Stands 18 and 38 are from Marquette County compartments but will be marked as part of the comp 21 stands.

- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.

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 09/15/2010

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 type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input checked="" 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

See attached

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 checked="" 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 whatever works to make an accurate cruise

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
1	1	2 X 5
3	1	2 X 5
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

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 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	dot per log with slash	11" outside bark	
Sawbolts	NA		
Pulpwood	dot or 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
	1 :
	1 :
	1 :

SPECIES TO FAVOR

Best Tree in place

SPECIES TO FAVOR

SPECIAL MARKING INSTRUCTIONS

See attached

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 Lindberg at (906) 875 - 6622, to make arrangements for paint.
2. Paint will be supplied from (location).
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.

Comp 21 Hardwood Contract

Within these stands there is considerable variability in Basal Areas. The terrain comprises some rolling hills which are not overly steep, although if steep areas are encountered marking should be done perpendicular to the slope to create travel routes for mechanized harvesting equipment. Marking must be done on two, opposite sides of the tree and the stump marks should be to the ground.

Some of these stands have very high basal areas. Mark to create space for equipment to operate. Where there are poles, the area should be marked to 70 BA, where there are logs; it should be marked to 80 to 90 BA. Marking should concentrate on choosing crop trees and thinning around them, taking out the two most competing trees if the crop tree is over 8 inches DBH and thinning around the smaller diameter crop trees, 7 feet all the way around the crown of the crop tree. Elm, oak, red or white pine, cedar, and hemlock should not be marked. If ash is marked, the marking should be concentrated on the better logs, leaving some poorer quality or large trees as a seed source. Some aspen should be left for wildlife, the majority of this will be found around the edges of the stand. The northern part of this stand has much oak in it. Mark to create full crown release around the oak to encourage oak regeneration.

There is a small area to the north where the red line goes in two directions. The northern most line will be used. That line is on the map and is ribboned in the field, the other one will be blacked out. The line will be eliminated in the spring before marking begins. It is in the hardwood area, south of the A3 with oak.