



TIMBER SALE PRESCRIPTION

GENERAL

Date 11/10/2009	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable)	Sale Name (or prescription name) Many Helping Hands Sale

LOCAL CONTACT

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

Map of Project Area Attached

LEGAL DESCRIPTION

T42 R27 Section(s) 13, 22, 23, 26, 27 Description

Year of Entry: 2010 Compartment(s): 68 Stand Number(s): 35A, 35B, 45, 48, 49, 50, 81, 84, 91

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 185 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
35A	M6	40	130	Thin	M6
35B	M6	55	130	Thin	M6
45	M6	16	120	Thin	M6
48	M6	7	110	Thin	M6
49	M6	8	120	Thin	M6
50	M6	10	120	Thin	M6
81	M6	10	120	Thin	M6
84	M6	10	120	Thin	M6
91	M6	29	120	Thin	M6

PRESCRIPTION

1.
2.
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Access

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
property and boundary line on all stands	11/15/2009

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date 09/01/2010

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 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 Whatever works out best and is documented

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

Cruise Special Instructions:

All units must be cruised at one plot per acre with 2 x 5 spacing with numbered ribbons marking plot centers. You can cruise whatever direction makes sense as long as you get 1 plot per acre. A cruise grid showing plot numbers must accompany the cruise sheets. Please cruise and identify one unit at a time and notify administrator when each cruise is complete.

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	slash and dots		
Sawbolts	NA		
Pulpwood	slash		

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
large pulp will be tallied with the sawlogs	1 : 1
sawlogs	1 : 1
	1 :
	1 :

SPECIES TO FAVOR

Best tree in place in all categories. Good representatives of minor species should be left.

SPECIES TO FAVOR

Do not mark to cut, oak, hemlock, cedar or red or white pine.

SPECIAL MARKING INSTRUCTIONS

Sawlog/large pulp tally sheets will be provided by the DNR and must be used. Sawlog trees will be marked with a slash on each side and dots on one side representing the number of logs tallied. Pulp trees will be marked with a slash on opposite sides of the tree.

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 (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.

Many Helping Hands Sale (hardwood marking contract)

This sale is accessed through private lands. All landowners were contacted prior to lines being run and were informed that contract marking will be done on State lands. The contractor should make contact with the necessary landowners prior to crossing their property. All roads used for access should be treated with care. No debris of any kind is to be left on private or State lands.

Stands should be marked following the guidelines set forth in 'The Complete Marker: A Guide To Managing Northern Hardwoods On Michigan State Forests'.

Specifically, all stands on this sale should be left with a residual basal area of 70-90, with an overall average of 80 square feet per acre. Emphasis should be on releasing crop trees. Favor best tree in place regardless of species. Good representatives of minor species should be retained as well. Do not mark oak, red or white pine, hemlock or cedar.

Stands to be marked are bounded by red paint dots against State lands and blues dots against private. Stand 36, as shown on map 1 north of stand 35, is an aspen stand not included in this contract and is not to be marked.

This stand is separated from stand 35 by red slash marks painted both sides of the boundary trees.

Sawlog tally sheets with space for tallying large pulp will be provided by the administrator and must be used to tally log sized pulp in sawlog trees. The administrator will explain the proper use of these forms if the contractor is unfamiliar with pulp log tallying. Cruise forms to be used will be at the discretion of the administrator.

Each sawlog tree will be marked with a slash on both sides and dots representing the number of sawlogs tallied on one side as well. Pulp trees must be marked with a slash on each side. Each tree is to have a stump mark reaching from approximately one foot up the stump and onto the ground. Paint will be provided by the administrator.

The contractor will notify the administrator upon entering/completing each stand so that the marking may be checked before the cruise is begun. Each stand must be cruised and all tally sheets and summaries, cruise sheets and cruise grids given to the administrator before proceeding with the next stand unless specific permission is given to do otherwise.