



TIMBER SALE PRESCRIPTION

GENERAL

Date 2/6/08	Forest, Mineral and Fire Management Unit Crystal Falls/Norway
Timber Sale Number (if applicable) 12-011-08-01	Sale Name (or prescription name) Elf Pants Hwd

LOCAL CONTACT

Name Otto Jacob	Telephone (906) 563 - 9247
Email Address Jacobom@michigan.gov	FAX (906) 563 - 5802

Map of Project Area Attached

LEGAL DESCRIPTION

T42N R29W Section(s) 9, 10, 11 Description See map

Year of Entry: 2008 Compartment(s): 54 Stand Number(s): 1, 2, 8, 16

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 261 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	65	130	Thinning	Northern Hardwoods
2	M6	43	130	Thinning	Northern Hardwoods
8	M6	92	130	Thinning	Northern Hardwoods
16	M6	59	130	Thinning	Northern Hardwoods

PRESCRIPTION

1. Mark to achieve a residual BA. of 80 Sq Ft.
2. Mark to remove lower quality trees competing with crop trees.
3. Do not mark any Hemock, Cedar, Pine or Oak.
4. Mark lightly adjacent to vernal ponds.
5. Special attention should be given to mark trees with v-shaped forks or with Eutapella Cankers.
6. Leave some den trees for wildlife, especially those with cavities.
7. Favor minor species for retention.
- 8.
- 9.
- 10.

Access Approximately six miles East of Hwy M-95 on the Wells Grade road.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Paint sale boundary lines.	02/05/2008

CONTRACT WORK CAN BEGIN
 Immediately Date:
CONTRACT WORK MUST BE COMPLETED BY Date 08/15/2008

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 North and South

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
All	1 plot/2 acres	5 X 4
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

1. Sawlog cruise sheets with large pulp sticks, provided by the DNR, must be used.
2. Each unit must be cruised separately; a summary must be provided for each unit(pulp and sawlogs)
3. Summary sheet for the sawlogs cruised on the entire sale must be provided to DNR,
4. Each plot center will be flagged with unit number and plot number (i.e. u-5,#14). A locator flag on the ground may be necessary.
5. Pulp species will be cruised as: mixed hardwood(includes Sugar Maple,Red Maple, Birch Ironwood, Ash),Basswood,Aspen,& mixed softwood (Spruce and Balsam).

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	2 slashes+ dot per log	12 inches	10 inches
Sawbolts			
Pulpwood	1 slash on both sides	5 inches	4.5 inches

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
Sawlogs	1 : 1
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

1. Hemlock, Pines, Cedar & Oak will not be marked.
2. Do not mark survey witness trees.
3. Do not mark exterior sale boundary trees. Unit line marker trees may be marked.
4. Sawlogs will be marked with a double slash on one side, a single slash and one dot/8ft log on the other side of the tree.
5. Pulp trees will be marked with a single slash on each of opposite sides of the tree.
6. All marked trees will be stump marked adequately.

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 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 Otto Jacob at (906) 563 - 9247, 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.