



TIMBER SALE PRESCRIPTION

GENERAL

Date 2-1-08	Forest, Mineral and Fire Management Unit Crystal Falls/Felch office
Timber Sale Number (if applicable) 12-009-08-01	Sale Name (or prescription name) C-11 Contract

LOCAL CONTACT

Name Debbie Goupell	Telephone (906) 246 - 3245
Email Address goupellld@michigan.gov	FAX (906) 246 - 3247

Map of Project Area Attached

LEGAL DESCRIPTION

T44N R29W Section(s) 24/25 Description 24: S1/2NE, N1/2SE, SWSE, SENW, E1/2SW 25: N1/2NW, SENW, W1/2NE, SENE

Year of Entry: 2008 Compartment(s): 11 Stand Number(s): 9 & 17

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 135 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
9	M6	47	110	THINNING	NORTHERN HARDWOODS
17	M6	88	110	THINNING	NORTHERN HARDWOODS

PRESCRIPTION

1. Mark to achieve a residual BA of 70 sq ft by removing poor quality stems competing with crop trees, releasing crop tree crowns on at least 2 sides.
2. Do not mark any hemlock, cedar, pine or oak.
3. In stand 9: removal should be concentrated in the 6 & 8-inch diameter classes; aspen patches should be marked, favoring the larger diameter aspen trees for retention; yellow birch should also be a favored tree for retention purposes.
4. Special attention shall be given to eutapella cankers and trees with V-shaped forks for removal.
5. Leave some den trees for wildlife, preferably those with upper stem cavities.

Access From Co Rd 581, go ~5.5 miles west on Aimone Rd/Cleveland Homestead Rd; units 3-7 are just north off the Cleveland Homestead Rd.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Sale boundary and unit lines painted, GPS'd	01/25/2008

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date 08/08/2008

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-south

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
1-7	1 plot per 1.6 ac	4 X 4
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS	84	

Cruise Special Instructions:

1. Sawlog cruise sheets with large pulp sticks, provided by DNR, MUST be used
2. Each unit MUST be cruised separately; a summary must be provided for each unit (pulp & sawlogs)
3. Summary sheet for the sawlogs cruised on the ENTIRE sale must also be provided to DNR
4. Each plot center will be flagged with unit number AND plot number (i.e. U-5, #14). Locator flag may be necessary if plot center is very low to ground.
5. Pulp species will be cruised as: mixed hardwood (includes sugar maple, birch, ironwood, ash, red maple), basswood, aspen, & mixed softwood, if applicable (spruce, 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): 70 (Minimum 60 to Maximum 80)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	2 slash + dot per log	12"	10"
Sawbolts			
Pulpwood	1 slash, opposite sides	5"	4.5"

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
All sawlogs	1 : 1
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

- Sawlogs will be marked with a double slash on one side, single slash & dots per log on opposite side.
- Pulp trees will be marked with single slash on opposite sides; all trees will have adequate stump marks.

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

RESTRICTIONS

- Forest, Mineral and Fire Management Division must be able to identify who did what on the timber sale.
- The contractor may not have more than two markers in one payment unit without prior approval.
- Each marker should have an assigned area to mark (not strips).

PAINT

- Call Debbie Goupell at (906) 246 - 3245, to make arrangements for paint.
- Paint will be supplied from the Felch office.
- Contractor's work schedule must coincide with the DNR work schedule for paint supply.
- The DNR will not be available on weekends or evenings.

DELIVERABLES

- A list of names that marked or cruised each payment unit.
- A summary of paint used (in quarts).
- Tally summaries for each payment unit (one summary, regardless of the number of markers) and all of the original tally sheets.
- GPS files for any GPS work.