



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 2/14/2008	Forest, Mineral and Fire Management Unit Crystal Falls
Timber Sale Number (if applicable) 12-006-08-01	Sale Name (or prescription name) Marquinson Contract

## LOCAL CONTACT

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

Map of Project Area Attached

## LEGAL DESCRIPTION

T44N R27W Section(s) 25,35 Description Sec 25: S1/2NE1/4, N1/2SE1/4, SESE. GPS coordinates for Floodwood Rd/CR 581 are: 46.18334979, -87.62762809 Sec 35: SWNW, N1/2SW, SWSW

Year of Entry: 2008 Compartment(s):25 Stand Number(s): 16 & 40

## THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 94 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
16	M6	43	150	Selection cut	Northern hardwood
40	M9	51	130	Thinning	Northern hardwood

## PRESCRIPTION

- Stand 16, M6. Units 1 and 2, Mark to achieve a residual BA of 70 sq. ft. Leave all oak, pine, cedar and hemlock. Create 5, 30 - 50 ft crown openings per acre for regeneration gaps. Locate some gaps adjacent to hemlock clumps. Additional marking guidelines for crop tree identification and release are found in the Compleat Marker. Out areas are clearcut units and will not be marked or cruised.
- Stand 40, M9. Units 1 and 2, Thin to a residual BA of 80 sq. ft. Remove high risk poor quality trees. Favor good quality future crop trees to be retained. Mark no oak, pine, cedar, or hemlock.

**Access:** To stand 16 from Ralph: Take CR 581 north to Floodwood Rd/Lake 36 Flooding, about 0.6 mi west of the Marquette county line. From CR 557 between Gwinn and Arnold: Take CR 438 west to Floodwood Rd, about 0.6 mi west of the Marquette county line. Sale area is accessible with good woods roads.

To stand 40 from Ralph: Take Co Rd 426 east about 7 miles to Schultz Rd, take Schultz Rd 9.5 miles north.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Timber sale boundary (red) and internal unit lines (yellow)	01/17/2008

## CONTRACT WORK CAN BEGIN

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date **08/01/2008**

**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

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

Cruise Special Instructions:

PULPWOOD WILL BE CRUISED BY THE DNR, contractor only required to tally sawlogs.

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):** Stand 16: 70 (Minimum 60 to Maximum 80).  
 Stand 40: 80 (Minimum 70 to Maximum 90).

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre (applies to stand 16 only)		5 per acre	30 - 50 ft dia
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Two slash + dots per log	12-inches	10-inches
Pulpwood	Single slash, 2 sides	5-inches	4.5-inches

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Orange <input type="checkbox"/> Other
		<input type="checkbox"/>	<input type="checkbox"/> Orange <input type="checkbox"/> Other

TALLY INTENSITIES	
SPECIES / PRODUCT	RATIO
Sawlogs in stand 16, M6	1 : 1
Sawlogs in stand 40, M6	1 : 1

**SPECIAL MARKING INSTRUCTIONS**

- Stand 16, M6: 100% tally of sawlogs marked for cutting in units 1 & 2.
- Stand 40, M6: 100% tally of sawlogs for both units.
- Summary for each unit and the stand total will be required.
- TALLY SHEETS PROVIDED BY DNR **MUST** BE USED, as they include large pulp sticks that are to be tallied.
- Plenty of paint is to be used for 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 to 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 Deb at (906) 246 - 3245, to make arrangements for paint.
- Paint will be supplied from Felch.
- 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.
- Marking quality control check sheets.