



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 4/11/2008	Forest, Mineral and Fire Management Unit GRMUN (Indian River)
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 115 Contract

## LOCAL CONTACT

Name Shannon Harig	Telephone (231) 238 - 9313 ext. 4742
Email Address Harigs@Michigan.gov	FAX (231) 238 - 6757

Map of Project Area Attached

## LEGAL DESCRIPTION

T36N R05W Section(s) 22,23 Description south 1/2 of both sections

Year of Entry: 2008 Compartment(s):115 Stand Number(s): 12, 13, 15, 38, 41, 46

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

Estimated Acres: 175 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
12	M6	54	110	Selection	Northern Hardwoods
13	A5	3	60	Clearcut	Aspen
15	M6	1	110	Selection	Northern Hardwoods
38	M9	58	120	Selection	Northern Hardwoods
41	M6	56	110	Selection	Northern Hardwoods
46	A5	3	60	Clearcut	Aspen

## PRESCRIPTION

Stands 12, 15, 38, 41:

1. Reduce BA to 80 sq. ft. using single tree selection/crop tree release marking techniques.
2. Retain 2-3 12"+ DBH trees/acre of declining vigor(cull) to serve as future den trees.
3. When possible, release pockets of advanced hardwood regen by creating overhead canopy gaps.
4. Avoid marking under-represented species(cherry, elm, birch, etc.) to serve as retention.

Stands 13, 46:

1. Clearcut all species.

**Access** West from Brutus 5 miles on Brutus Road.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All boundary and unit lines.	05/19/2008

**CONTRACT WORK CAN BEGIN**

Immediately  Date: 05/19/2008

**CONTRACT WORK MUST BE COMPLETED BY** Date 09/19/2008

**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)
Stands 12,13,15,38,41,46	1 point/1 ac.	3 X 3
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

Stands 12,15,38,41: Only pulpwood will be cruised, sawlogs are 100% tallied. White Ash, Basswood and aspen pulp must be tallied seperately. All other hardwood species can be combined as mixed hardwood pulp.

Stands 13,46: Both sawlogs and pulp must be cruised in these stands. Sawlog species must be cruised seperately. Pulpwood must be cruised as described above.

**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		1 per acre	30' crown opening
Girdled Trees Per Acre		1-2	12"+
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	2 orange slashes w/ dot	12 inches	10 inches
Sawbolts	N.A.	N.A.	N.A.
Pulpwood	orange slash	4.6 inches	4 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
All sawlogs	1 : 1
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Individual stems within multiple stemmed clumps must either all be marked for removal or must all be left unmarked. Do not mark trees within 5' of the snowmobile trail. Do not mark Elm, Juneberry or Ironwood. Mark girdle trees with an orange "X" on both sides of tree. See administrator for marking instructions near stick nest.

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 Shannon Harig at (231) 238 - 9313 ext. 4742, to make arrangements for paint.
2. Paint will be supplied from **Indian River**.
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.