



# TIMBER SALE PRESCRIPTION

GENERAL	
Date 10/05/2012	Forest, Mineral and Fire Management Unit Indian River (Gaylord)
Timber Sale Number (if applicable)	Sale Name (or prescription name) Emmet County 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) 6	Description: NW1/4, W1/2NE, NESW, NWSE
T38N R04W Section(s) 18	Description: S1/2SW, S1/2SE

Year of Entry: 2013    Compartment(s): 111, 120    Stand Number(s): Comp 111 – Stand 3, Comp 120 – Stands 40, 42

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

Estimated Acres: 164    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
C111 St.3	M9	129	140	Selection	Northern Hardwood
C120 St.40	M9	19	130	Selection	Northern Hardwood
C120 St.42	M9	16	110	Selection	Northern Hardwood

PRESCRIPTION
<ol style="list-style-type: none"> <li>1. Reduce stand BA to 80 using single tree selection/crop tree release marking techniques.</li> <li>2. Retain 1-2 12"+ DBH trees/acre of declining vigor (cull) to serve as den trees.</li> <li>3. Where applicable, release pockets of advanced hardwood regen.</li> <li>4. Beech scale is present.</li> <li>5. Retain under represented species in stand.</li> <li>6.</li> <li>7.</li> <li>8.</li> <li>9.</li> <li>10.</li> </ol> <p><b>Access</b></p>

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All boundary lines on stands 3.	11/16/2012

**CONTRACT WORK CAN BEGIN**

Immediately     Date: 11/19/2012

**CONTRACT WORK MUST BE COMPLETED BY**    Date 09/16/2013

**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"/>	X	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	X		X Red	<input type="checkbox"/> Other:
Sale cutting unit		X	Yellow	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	X	<input type="checkbox"/>	<input type="checkbox"/> Other:

Stand boundaries on Comp 120 Stands 40 and 42.

**AREA CALCULATION**

This is included in the bid       This is not included in the bid

UNIT	METHOD	STANDARD
Sale	X 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:** Sale boundaries must be supplied to contract administrator as shapefiles (.shp) not .ssf's.

**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)
Stand 3	1 per 2.0 ac.	4 X 5
Stands 40 and 42	1 per acre	3 X 3
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

Only pulpwood will be cruised, sawlogs are 100% tallied. White Ash, Basswood, Beech and Aspen must be cruised seperately; all other species can be combined as mixed hardwood. Residual BA must be tallied at each cruise point.

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 gap per 2 acres	100' canopy gap
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	2 slashes w/ dots	10" class	8 inches
Sawbolts	NA	NA	NA
Pulpwood	slash	4.6 inches	4.0 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	100%
	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 elm or juneberry. Avoid marking under-represented species, they will be retained to maintain diversity. There is beech scale present in these stands and EAB to the south. These stands must be marked to current BBD and EAB guidelines (see contract administrator).

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.