



TIMBER SALE PRESCRIPTION

GENERAL	
Date 12/11/2009	Forest, Mineral and Fire Management Unit Gaylord North
Timber Sale Number (if applicable)	Sale Name (or prescription name) Comp 104 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 R06W Section(s) 2, 3, 10	Description

Year of Entry: 2010 Compartment(s): 104 Stand Number(s): 2, 6E, 6W, 13, 18, 23

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 512 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
2	M6	50	140	Selection	Northern Hardwoods
6E	M9	46	140	Selection	Northern Hardwoods
6W	M9	192	140	Selection	Northern Hardwoods
13	M9	59	140	Selection	Northern Hardwoods
18	M6	22	140	Selection	Northern Hardwoods
23	M9	143	140	Selection	Northern Hardwoods

PRESCRIPTION	
1.	Reduce stand BA to 80 using single tree selection/crop tree release marking techniques. Retain 2-3 12"DBH + trees/acre of declining vigor(cull) to serve as future den trees. When possible, release pockets of advanced hardwood regen by creating an overhead canopy gap
2.	
3.	
4.	
5.	
6.	
7.	
8.	
Access	

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All boundary and unit lines	04/30/2010

CONTRACT WORK CAN BEGIN

Immediately Date: 5/1/2010

CONTRACT WORK MUST BE COMPLETED BY Date 08/31/2010

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)
6E, 13, 18	1.0	3 X 3
2, 6W, 23	2.0	4 X 5
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

Only pulpwood will be cruised, sawlogs are 100% tallied. White Ash, Basswood, Beech and Aspen must be cruised separately; 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	40' canopy gap
Girdled Trees Per Acre		1-2	12"+
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	2 slashes w/ dots	12 inches	10 inches
Sawbolts	N.A.	N.A.	N.A.
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
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, juneberry or ironwood. Mark girdle trees with an orange "X" on both sides of tree. Avoid marking under-represented species, they will be retained to maintain diversity.

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 Field Office.
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.