



TIMBER SALE PRESCRIPTION

GENERAL

Date 4/14/2008	Forest, Mineral and Fire Management Unit GRMUN (Indian River)
Timber Sale Number (if applicable)	Sale Name (or prescription name) Comp 124 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

T35N R04W Section(s) 6,8 Description Sec. 6: NWNE, SWNW, SW1/4 Sec. 8: N1/2SE

Year of Entry: 2008 Compartment(s):124 Stand Number(s): 2, 3, 8, 19

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 148 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	M9	24	120	Selection	Northern Hardwoods
3	M9	76	150	Selection	Northern Hardwoods
8	M9	18	130	Selection	Northern Hardwoods
19	M6	30	190	Selection	Northern Hardwoods

PRESCRIPTION

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.
5. Where oak exists, mark to promote oak regeneration.
- 6.
- 7.
- 8.
- 9.
- 10.

Access

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Private boundaries	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 checked="" type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Yellow	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input checked="" 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:

Must provide administrator with shapefile and acreage of sale area and cutting units.

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 point/1.2 Acres	3 X 4
Stands 2,8,19	1 point/1 acre	3 X 3
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

Only pulpwood will be cruised, sawlogs (except aspen) are 100% tallied. White Ash, Basswood, aspen and oak pulp must be cruised separately. All other hardwood species can be combined as mixed hardwood pulp. Aspen sawlogs will be cruised concurrently with pulp cruise.

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/dots	12 inches	10 inches
Sawbolts	N.A.	N.A.	N.A.
Pulpwood	orange 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
	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, ironwood or juneberry. Mark girdle trees with an orange "X" on both sides of tree. In stand 8, all aspen will be harvested (do not mark) EXCEPT: mark (with green paint) 4 to 8 aspen of declining vigor per acre (if possible) for retention. In stand 19, when possible, create 60' to 80' canopy gap around residual or harvested oak to promote regeneration.

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.