



MICHIGAN DEPARTMENT OF NATURAL RESOURCES
FOREST, MINERAL AND FIRE MANAGEMENT

TIMBER SALE PRESCRIPTION

GENERAL					
Date 9/8/2006			Forest, Mineral and Fire Management Unit GRMUN (Indian River)		
Timber Sale Number (if applicable)			Sale Name (or prescription name) Compartment 172 Contract		
LOCAL CONTACT					
Telephone Number (231) 238 - 9313 ext. 4742			FAX Number (231) 238 - 9313		
Name Shannon Harig			Email Address harigs@Michigan.gov		
<input checked="" type="checkbox"/> Map of Project Area Attached					
LEGAL DESCRIPTION					
T34N R02W Section(s) 34 and 36 Description					
Year of Entry: 2006 Compartment(s):172 Stand Number(s): 20,21,54,60,61					
THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE					
Estimated Acres: 97 Source: <input checked="" type="checkbox"/> OI <input type="checkbox"/> GPS <input type="checkbox"/> Other _____					
Payment will be made on the basis of these estimated acres.					
TREATMENT & OBJECTIVE					
STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
20	M6	17	140	Selection	Northern Hardwood
21	O6	6	140	Selection	Oak
54	M6	33	150	Selection	Northern Hardwood
60	M6	29	150	Selection	Northern Hardwood
61	M6	12	130	Selection	Northern Hardwood
PRESCRIPTION					
1. Reduce stand BA to 80 sq. feet using single tree selection/crop tree release marking techniques. 2. Manage for best tree in place, however, do not mark any American Elm or Juneberry. 3. Retain at least 2-3 12"DBH + trees/acre of declining vigor(cull) to serve as future den trees. 4. Create an avg. of one 40' regen hole per acre except where very high quality timber predominates. 5. Girdle at least 1-2 trees per acre to serve as den trees. Mark with orange "X" on opposite sides. 6. When possible, release pockets of advanced hardwood regen by creating an overhead canopy gap.					
Access:					
DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK				ESTIMATED DATE	
Blue painted private boundary lines.				04/28/2006	
CONTRACT WORK CAN BEGIN:					
<input checked="" type="checkbox"/> Immediately <input type="checkbox"/> Date:					
CONTRACT WORK MUST BE COMPLETED BY: Date 8/15/2007					

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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:

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
		x
		x
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

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 Residual BA (Basal Area): 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre		1-2	any
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 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 :

SPECIES TO FAVOR:

Ironwood, Black Cherry, American Elm.

SPECIES TO FAVOR:

SPECIAL MARKING INSTRUCTIONS:

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 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 (location).
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.

Compartment 172 Contract Supplement

Stands 54, 60 and 61 are fair quality pole size (10 inch average diameter) northern hardwoods. Basal area should be reduced to 80 feet using single tree selection. Markers should manage for best tree in place, though there will be some exceptions. The less common species (elm, juneberry, oak, nut trees etc.) in the stand should be favored, regardless of quality. If a small clone of aspen is encountered, it should be left standing. As this stand is mostly pole timber, large diameter trees are not plentiful, so they should be left when possible to maintain structure, diversity and wildlife habitat. Trees to be girdled can be of any size though anything less than 8" DBH would probably be hard to girdle without cutting all the way through. Multiple stemmed trees can also be difficult to girdle. Girdle trees can be of almost any species though it should be in proportion to the species mix in the stand (these stands are mostly sugar maple, approximately 65%, so most of the girdled trees should be sugar maple; don't pick on Basswood and Beech).

Stand 20 is a pole size northern hardwood stand with a small oak component. It should be managed similar to the above stands giving preference to the oak. Stand 21 is a small stand of good quality Northern Red Oak. Preference should be given to oak in this stand also. Release quality stems and create canopy gaps (60' opening) where possible to encourage oak regeneration. It is possible that "better" quality non-oak stems will be marked in favor of "lesser" quality oak stems. This stand will be an exception to the above girdling guideline. Though this stand is primarily oak, few, if any should be girdled.