



TIMBER SALE PRESCRIPTION

GENERAL

Date 8/28/2008	Forest, Mineral and Fire Management Unit GRMUN (Indian River)
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 117 Contract

LOCAL CONTACT

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

Map of Project Area Attached

LEGAL DESCRIPTION

T37N R05W Section(s) 22, 35, 36 Description 22: NENW 35: E1/2NE, NESE 36: SWNW, SW1/4, W1/2E1/2

Year of Entry: 2009 Compartment(s): 117, 116 Stand Number(s): 117:1, 39, 40 116:3

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 361 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
1	E6	31	100	Clearcut	Lowland Aspen/Hardwo
39	R9	36	180	Thinning	Red Pine
40	M9	281	130	Selection	Northern Hardwoods
3	M9	13	120	Selection	Northern Hardwoods

PRESCRIPTION

- Stand 1: Clearcut. Leave one 2 acre retention pocket.
- Stand 39: Thin to 100-110 BA releasing high quality crop trees.
- Stands 40 and 3:
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
-
-
-
-

Access 4 miles west of Pellston.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Blue painted private boundary.	10/31/2008

CONTRACT WORK CAN BEGIN
 Immediately Date: 11/1/08
CONTRACT WORK MUST BE COMPLETED BY Date 09/04/2009

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

Exclusions to mark and why

In stand 1, one retention pocket approximately 2 acres in size must be delineated with red paint and gps'd.

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)
1	1 point / acre	3 X 3
39	1 point / acre	3 X 3
40 and 3	1 point / 2.5 acres	5 X 5
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

Stand 1: Cruise all species separately.

Stand 39: Sawlogs and pulp will be cruised at the same time. Residual BA must be tallied at each cruise point.

Stands 40 and 3: Only pulpwood will be cruised, sawlogs are 100% tallied. Sugar Maple, Red Maple, White Birch, Beech and Black Cherry pulp can be combined as mixed hardwood. All other pulp species (White Ash, Basswood, aspen) must be cruised separately. 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 per acre	30' crown opening
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 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 or juneberry. Mark girdle trees with an orange "X" on both sides of tree. Avoid marking under-represented species, they will be retained to maintain diversity. Marking specifications apply only to the hardwood stands (40 and 3). Red Pine (stand 39) will be marked to cut with 1 orange slash on opposite sides of the tree on all products.

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 (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.