



# TIMBER SALE PRESCRIPTION

GENERAL	
Date 10/9/12	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name)

LOCAL CONTACT	
Name Scott Kentner	Telephone (906) 293 - 3293 x4742
Email Address KentnerS@michigan.gov	FAX (906) 293 - 8530

Map of Project Area Attached

LEGAL DESCRIPTION
T45N R08W Section(s) 25 , 26 , 27 Description See Cover Type Map

Year of Entry: 2013 Compartment(s):134 Stand Number(s): 20,22, 24, 32,34,35

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

Estimated Acres: 89 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
20	M9	1.5	140 -> 80	Selection	Northern Hardwoods
32	M6	6.5	140 -> 80	Selection	Northern Hardwoods
34	M9	26.5	170 -> 80	Selection	Northern Hardwoods
35	A9	4.8		C.C. w/ Reserves	Aspen
22	A8	39		C.C. w/ Reserves	Aspen
24	M9	11	120	Thinning	Northern Hardwoods

PRESCRIPTION
<ol style="list-style-type: none"> <li>Stands 20,24,32,34 are to be marked Single Tree Selection marking.</li> <li>Stand 24 mark aspen and spruce to cut, leave cedar.</li> <li>If a stick nest is found contact administrator.</li> <li>Retain Den/cavity trees if found.</li> <li>Mark Stands 20,24,32,&amp; 34 to improve maneuverability within the stand for logging operations to occur. Leave a component of all species present. Leave cedar in stand 20.</li> <li>See timber marking section below for more detailed marking specs).</li> <li>Clearcut w/ Reserves stands 22 &amp; 35. Leave hemlock and Cedar. Leave appropriate retention pockets within these stands.</li> <li>Contact the Newberry field office for additional requirements.</li> <li></li> </ol>

**Access** Work area is located just southeast of the Newberry. Work area can be accessed by vehicle via decent dirt roads and various two tracks. See attached maps.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE

**CONTRACT WORK CAN BEGIN**

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date 09/01/2013

**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"/>	<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 type="checkbox"/> Yellow	<input checked="" type="checkbox"/> Other: Green
Stand type line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

**Exclusions to mark and why**

In stand 22 & 35, leave scattered conifers and large aspen for retention, this will be in pockets. This will be discussed at the pre-work meeting. Exclude any wet area/vernal ponds from the Timber Sale area. Red line is to be put around these areas.

**Standards for marking lines against private land**

Must be within a minimum of 10 feet of actual property line.

**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	2 meters
Payment Unit	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	2 meters
Stand	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	

**Special Instructions:**

Contractor must supply their own GPS Units that are capable of downloading information to a computer.

**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                    22 & 35	1	~3 X 3
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

- Cruise stands by species and products per DNR standards. Record only B.A. of trees being reserved.
- Exact plot center will be marked by placing a stick in the ground, flagged with ribbon marked with the corresponding plot number.
- Stand 22, leave hemlock and Cedar. Leave appropriate retention pockets within these stands.
- Stand 35, cut all species and leave retention pockets.
- These items will be discussed at the pre-work meeting.

**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			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" with dots	12"	10"
Sawbolts			
Pulpwood	slash	6"	4"

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input type="checkbox"/>	<input 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
Mixed species of sawlog quality	1 : 1
Mixed species of pulpwood quality	1 : 20
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

- Two sided marking on all marked trees, that are to be cut.
- Dots will be painted on the pulp tally trees so they can be checked.
- Mark all sawlog trees with an "X" with dots to correspond with the number of sawlogs tallied.
- High quality stump marks extending into duff layers on all marked trees.
- In all stands leave the best tree in place and mark with logging operability/maneuverability in mind.
- Stands 20, 32, & 34:
- > Mark to cut (orange) residual BA = 80.
- > Do Not cut hemlock or in pockets of cedar, and leave a component of all species present.
- Above marking items will be discussed at pre-work meeting.

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 Scott Kentner at (906) 293 - 3293 x4742, to make arrangements for paint.
2. Paint will be supplied from the Newberry 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.