



## TIMBER SALE PRESCRIPTION

**GENERAL**

Date 8/13/08	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name) C100 Stand 1

**LOCAL CONTACT**

Name Keith Magnusson	Telephone (906) 293 - 3293
Email Address magnussk@michigan.gov	FAX (906) 293 - 8530

**Map of Project Area Attached**

**LEGAL DESCRIPTION**

T45N R12W Section(s) 2 Description See attached Map

Year of Entry: 2009 Compartment(s):100 Stand Number(s): 1

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

Estimated Acres: 129 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	M6	129	120	Selection	Northern Hardwoods

**PRESCRIPTION**

1. Favor (leave) the best future crop tree in place, regardless of species.
2. Do not mark any white pine, spruce or hemlock.
3. Aspen and balsam do not need to be marked, they are designated as a cut species.
4. Mark stand to improve maneuverability within the stand for logging operations to occur.
5. Leave a component of all hardwood species present, especially black cherry, yellow/paper birch.
6. Retain some den/cavity trees if present, or retain potential trees if they are not present.
7. Leave all oak within the stands.
8. If stick nests are found leave a minimum 1 chain unmarked buffer around the nest tree and
9. contact the Newberry field office for additional requirements.
- 10.

**Access** Proceed west from Newberry on M-28 to McMillan. Proceed past McMillan on M-28 approximately 3.25 miles and turn south on County Road 413. Turn west on County Road 454, proceed to work area.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Establish survey corners around E1/2 of SESE of Section 2	10/01/2008

**CONTRACT WORK CAN BEGIN**  
 Immediately  Date:  
**CONTRACT WORK MUST BE COMPLETED BY** Date 08/15/2009

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

Stands 2 and 403 are exclusion areas within the sale boundary. There is no need put boundary line around them. Stand 2 is a steep hillside, do not mark any timber on this hillside. Stand 403 is an old grassy opening that has no timber withing its boundary. These items will be discussed.

**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 PC.

**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** To be determined at pre-work meeting

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Entire sale area	~.62	4 X 4
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>	~80	

**Cruise Special Instructions:**

Cruise all marked hardwood pulp, all aspen and balsam. Exact plot center will be marked by placing a stick in the ground, flagged with ribbon marked with the corresponding plot number. 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 60 to Maximum 90)

TREATMENT		NUMBER	SIZE
<b>Regeneration Gaps Per Acre</b>			
<b>Girdled Trees Per Acre</b>			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" and 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 hardwood species of sawlog quality	1 : 1
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

- Two sided marking on all marked trees.
- Maintain stand diversity by leaving some beech, yellow birch, paper birch and black cherry.
- If stick nests are found, leave a minimum 1 chain buffer around the nest tree and contact the Newberry Unit Field Office to determine if any other actions need to be taken.
- Beech Bark Disease is found on the beech trees throughout the stand. While marking, evaluate and mark beech that has been attacked by the beech scale disease but still has merchantable value.
- 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.
- Stands 2 and 403 on the OI map are exclusion areas within the sale, they will be discussed at the 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 Keith Magnusson at (906) 293 - 3293, 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.