



## 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) Compartment 133

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) 13, 14, & 15 Description See Cover Type Map

Year of Entry: 2013    Compartment(s):133    Stand Number(s): 31, 40, 41, 49, 52, 55, 56, 57, & 62

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE
Estimated Acres: 289    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
31, 57, 62	A9	16.5	140	Final Harvest	Aspen
40,41,49,55	M6	259.2	140 -> 80	Selection	Northern Hardwoods
52	M6	2.6	140 -> 80	Crown Thinning	Northern Hardwoods
56	A9	10.5	140	C.C. w/ reserves	Aspen

PRESCRIPTION
<ol style="list-style-type: none"> <li>1. Stands 40,41,49,&amp; 55 are to be marked Selection marking.</li> <li>2. See timber marking section below for more detailed marking specs.</li> <li>3. Mark Stands 40,41,49,&amp; 55 to improve maneuverability within the stand for logging operations to occur. Mark for best tree is place.</li> <li>4. In stand 52 mark aspen and spruce to cut.</li> <li>5. In Stands 40 &amp; 52 leave cedar.</li> <li>6. In Stand 31,57,&amp; 62 leave hemlock and cedar.</li> <li>7. Stands 31,56,57,&amp; 62 will be clear cut, and clear cut with reserves in stand 56. In stand 56 leave some large aspen as red line trees (see paint line specs).</li> <li>8. If stick nests are found leave a minimum 1 chain unmarked buffer around the nest tree and contact Newberry field office.</li> <li>9. Contact the Newberry field office for additional requirements.</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
Survey work around stand 2	Contact Administrator

**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 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"/> Other:

**Exclusions to mark and why**

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)
Stands 31, 56, 57, & 62	1	~3 X 3
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

- Cruise all trees by species & products per DNR standards.
- Record 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 56, 57, & 62 leave hemlock.
- 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 40,41,49,52,& 55:
- > Mark to cut (orange) residual BA = 80.
- > Do Not cut hemlock 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.