



# TIMBER SALE PRESCRIPTION

GENERAL	
Date 10/17/2011	Forest, Mineral and Fire Management Unit Shingleton Management Unit
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 142 Contractors

LOCAL CONTACT	
Name Robert Burnham	Telephone (906) 452 - 6227 ext 240
Email Address BurnhamR2@michigan.gov	FAX (906) 452 - 6584

**Map of Project Area Attached**

LEGAL DESCRIPTION
T48N R15W Section(s) 19 Description 19 - S1/2NW, N1/2SW

Year of Entry: 2012 Compartment(s):142 Stand Number(s):5

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

Estimated Acres: 113 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
5	M6	113	111-140	Selection	Northern Hardwoods

PRESCRIPTION
<p>1. Mark all stands according to specifications listed in the Compartment 142 Contractors Prescription Appendix, timber marking specifications, and specific details obtained at the pre-work meeting.</p> <p>2. Cruise all stands according to specifications listed in the Compartment 142 Contractors Prescription Appendix, timber cruising specifications, and specific details obtained at the pre-work meeting.</p> <p><b>Access:</b> Take H-58 to the general area of the junction of Adam's Trail and H-58. There are two forest roads leading from H-58 into the sale area. One road west of the junction leads north into the southern boundary of the sale area; the other forest road, north of the junction, leads west from H-58 towards the sale area. See the enclosed map for specific locations.</p>

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
All timber sale boundary lines, including payment unit lines	Completed October 2011
Area calculation	Completed October 2011

**CONTRACT WORK CAN BEGIN**

Immediately  Date: \_\_\_\_\_

**CONTRACT WORK MUST BE COMPLETED BY** Date **08/01/2012**

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

**AREA CALCULATION**

This is included in the bid     This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input 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	

**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 East-West

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Stand 5, Units 1, 2, 3, and 4	0.625	4 X 4
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>	71	

**Cruise Special Instructions:**

1. Each unit must be recorded on a separate cruise card so volume can be determined by unit.
2. Each cruise plot must be identified on the ground. A map showing the location of these cruise plots must be turned in. Scale on map must be 1:15840.
3. Residual basal area by species must be tallied at each cruise plot, including hemlock, cedar and oak.
4. Do not cruise trees which were marked with an "X" designating log trees. There will be a 100% tally on log trees marked with an "X".
5. Species grouping:
  - mixed hardwood pulpwood (maple, yellow birch, ash, and cherry pulpwood)
  - any beech and ash must be tallied separately
  - mixed aspen pulpwood (quaking & bigtooth aspen, balsam poplar).
  - All other trees must be cruised by species.

**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 (units 1, 2, 3, and 4) (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		3-5	30 ft in diameter
Girdled Trees Per Acre		n/a	n/a
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	'X' on 2 opposite sides and 6' above ground level, plus one 3" dot per 8' log	11.1 inches	10 inches
Pulpwood	Diagonal slash on 2 opposite sides, 6' above ground level	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	1 : 1 by species and unit

**SPECIAL MARKING INSTRUCTIONS**

- Additional pulpwood volume larger than 10 inches, top DIB, occurring in sawlog trees must be recorded on tally cards supplied by the Local Contact.
- Avoid marking during wet weather conditions, or when tree boles are damp. Paint must last for the duration of the timber sale.
- Each unit must be tallied and summarized separately.

Unless otherwise specified, the tally sheets used must be those provided by the Forest, Mineral and Fire Management Unit.

**RESTRICTIONS**

1. Forest 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 Robert Tylka at (906) 452 - 6227 x241 to make arrangements for paint.
2. Paint will be supplied from Shingleton.
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.

## Compartment 142 CONTRACTORS TIMBER SALE PRESCRIPTION APPENDIX

### When Registered Corners or Witness Trees are discovered:

- Any wooden posts encountered at corners must also be painted/protected.
- Bearing and/or witness trees discovered during the course of sale preparation must be protected. This can be accomplished by painting a ring completely around the tree at 4-6 feet above ground level with either red paint (corner surrounded by state lands) or blue paint (corner on private property boundary line). In addition, tying ribbon on these trees helps alert loggers to their presence. Do not mark any trees for harvest if cutting them is likely to result in damage to corner monuments and/or bearing trees.
- Please report the condition of all corners, posts and bearing trees to the local contact.

### Stand 5 - Units 1, 2, 3 and 4

#### Management Objective: All Aged Northern Hardwoods (Mark to Cut)

##### When marking, prioritize selection of trees to be cut in the following order:

1. Release suitable crop trees. (Refer to The Complete Marker for crop tree specifications.)
2. When appropriate, try to increase the number of lesser occurring species such as yellow birch, hemlock and white pine. Open up the stand near cherry and any yellow birch for reproduction. Do not mark to cut large, supercanopy white pine trees. The local contact can provide an explanation of this priority.
3. Retain a component of beech where present. Leave some large wolfy trees.
4. Remove high-risk and poor quality trees.
5. All beech are designated for removal. Mark better quality or resistant trees to leave. At a minimum, mark 2 beech per acre, if they are available. All of the volume for beech is determined with a point sample cruise.
6. Maintain target basal area.
7. Maintain all species diversity.

##### Reserved Species:

- No hemlock, oak or cedar can be marked. Avoid marking other trees if harvesting them is likely to result in damage to these reserved species.
- Marking of infrequently occurring species should be avoided. Consult the local contact for clarification.
- Leave 2-4 large, live cull trees per acre for den trees and soft snag production. Reserved tree species may also be used for this purpose. These should be well distributed.
- Do not mark within 100' of any raptor nest trees. Report these to the local contact as soon as possible and directions will be given at that time.

The contractor should contact Robert Burnham, Unit Manager, at the Shingleton Field Office, PO Box 67, M-28, Shingleton, MI 49884 (906) 452-6227 x240 once the contract is awarded. Approximately 1-2 weeks prior to beginning work, the contractor should also contact the DNR's local contract administrator (Robert Tylka, 906-452-6227 x241) to arrange an on-site meeting to discuss the details of these prescriptions. Paperwork should be completed and all of the necessary reports submitted to the Unit secretary as soon as possible after the fieldwork is complete.