



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 2/3/2009	Forest, Mineral and Fire Management Unit Gladwin Management Unit
Timber Sale Number (if applicable) 73-007-09-01	Sale Name (or prescription name) Carroll Creek

### LOCAL CONTACT

Name Mike Hanley	Telephone (517) 243-2028
Email Address hanleym@michigan.gov	FAX (989) 426-1454

**Map of Project Area Attached**

### LEGAL DESCRIPTION

W½,SW¼ **Sec 28** and S½,SW¼ & S½,SE¼ & N½ **Sec 29**, SW¼,SW¼ **Sec 30 of T15N R02W**

Year of Entry: 2009    Compartment(s): 107    Stand Number(s): 20, 32, 36, 111, 234 & 332

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

Estimated Acres: 184    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	R6	6	220	Thinning	Red Pine
32	A5	58	40	Final Harvest	Aspen
36	A5	28	60	Final Harvest	Aspen
111	A8	16	60	Final Harvest	Aspen
234	A8	17	60	Final Harvest	Aspen
332	A5	59	40	Final Harvest	Aspen

### PRESCRIPTION

- Stand 20:** Mark to cut every third row of Red Pine with orange paint. Mark end of rows, and enough additional trees to insure logger can follow row.
- Stand 32:** Mark to leave with red paint 1 to 2 acres of islands to meet retention guidelines. Locate islands in lower wetter areas of the stand.
- Stand 36:** Mark to leave with green paint 1 to 2 trees per acre, favor the retention of White Oak and Red Pine.
- Stand 111:** Mark to leave with red paint .4 acre island to meet retention guidelines.
- Stand 234:** Mark to leave with red paint .5 acre island to meet retention guidelines. Mark island toward the North end of the stand.
- Stand 332:** Mark to leave with red paint 1.5 acre to meet retention guidelines.
- Access:** Via Coleman Road, North Lewis Road and various state two tracks.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
DNR will mark all private (blue) line.	4 / 1 / 09

#### CONTRACT WORK CAN BEGIN

Immediately     Date:

**CONTRACT WORK MUST BE COMPLETED BY**    Date 07/31/2009

**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Red	<input type="checkbox"/> Other:

**DNR to paint all blue lines in sale.**

**Standards for marking lines against private land: N/A**

**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	PDOP ≤ 7
Payment Unit	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	PDOP ≤ 7
Stand	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	PDOP ≤ 7

**Special Instructions:**

Contractor must GPS all stands, payment units, and/or retention island separately. Contractor must also provide a GPS file and hard copy of each stand. See map for location and color of lines to be GPS'd.

**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**    N/A

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:** DNR to cruise all stands.

**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):** Varies by stand. See prescription section.

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Slash visible from all sides	10" Diameter Class	8" Diameter Class
Sawbolts			
Pulpwood	Slash visible from all sides	5" Diameter Class	4" Diameter Class

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Green <input checked="" 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
N/A	1 :
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

For all stands Michigan DNR retention guidelines must be followed. See individual stand prescriptions for retention details. Contractor must GPS leave islands. Implementation of the retention guidelines will be discussed on a stand by stand basis 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 Mike Hanley at (517) 243 - 2028 , to make arrangements for paint.
2. Paint will be supplied from Gladwin 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.