



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 11/2/09	Forest, Mineral and Fire Management Unit Roscommon
Timber Sale Number (if applicable) 71-004-10-01	Sale Name (or prescription name) Sage Lake Oak Patches

### LOCAL CONTACT

Name Dale Ekdom	Telephone (989) 275 - 4622
Email Address ekdomd@michigan.gov	FAX (989) 275 - 6203

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T23N R02E Section(s) 19 SENE;NW1/4;NESE & 30 SESE AND T23N R1E Section 23 W1/2NE

Year of Entry: 2010    Compartment(s):191    Stand Number(s): 9, 11, 21, 61

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

Estimated Acres: 55    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
9	09	8	140	Shelterwood Prep	Oak
11	09	33	150	Shelterwood-Seed	Oak
21	06	8	130	Shelterwood-Seed	Oak/Pine
61	09	6	90	Shelterwood Prep	Oak/Pine

### PRESCRIPTION

1. Stand 9 - Shelterwood prep by removing aspen and red maple via specification and removing lower quality and smaller oak via marking. Target Oak residual is 90 SF/acre.
2. Stand 11 - Shelterwood-Seed by removing aspen and red maple via specification and removing lower quality and smaller oak via marking. Target oak residual is 60 SF/acre.
3. Stand 21 - Shelterwood-Seed by removing aspen and red maple via specification and removing lower quality and smaller oak via marking. Target oak residual is 40 SF/acre.
4. Stand 61 - Shelterwood-Seed by removing lower quality and smaller oak via marking. Target oak residual is 50 SF/acre. Stand will be inter-planted with white pine after treatment.
5. All stands - All red and white pine to be retained for retention and diversity. Favor white oak 1<sup>st</sup>, red oak 2<sup>nd</sup>, and pin oak last.

**Access** off Fairview Road, Clear Lake Road, or Sage Lake Road

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Sale boundaries	11/1/2009

### CONTRACT WORK CAN BEGIN

Immediately     Date:

**CONTRACT WORK MUST BE COMPLETED BY**    Date 08/15/2010

**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:

**Exclusions to mark and why**

**Standards for marking lines against private land**

**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	

**Special Instructions:**

**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)
		X
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**Cruise Special Instructions:**

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 Oak BA (Basal Area):**

Stand 9: 90 (Minimum 80 to Maximum 100)

Stand 11: 60 (Minimum 50 to Maximum 70)

Stand 21: 40 (Minimum 30 to Maximum 50)

Stand 61: 50 (Minimum 40 to Maximum 60)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs			
Sawbolts			
Pulpwood			

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
	1 :
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

Residual oak should have large well developed crowns. Favor leaving white oak over red oak and red oak over pin oak. Paint marks at breast height should be visible from all sides of the tree and all stump marks should be 2/3's on the stump and 1/3 on the ground. Oak residual should be well distributed throughout the stand. If found during fieldwork, mark aspen, red maple, and jack pine den/wildlife trees to leave with green paint.

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 Dale Ekdom at (989) 275 - 4622, to make arrangements for paint.
2. Paint will be supplied from the Roscommon 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.