



## TIMBER SALE PRESCRIPTION

### GENERAL

Date 11/19/09	Forest, Mineral and Fire Management Unit Traverse City
Timber Sale Number (if applicable) 61-007-10-01	Sale Name (or prescription name) 34 Mixed Pine

### LOCAL CONTACT

Name Scott Lint	Telephone (231) 922 - 5280 x6844
Email Address lints@michigan.gov	FAX (231) 922 - 1853

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T24N R15W Section(s) 23&24 Description 23-SE1/4, NESW 24-W1/2NW1/4

Year of Entry: 2010 Compartment(s):34 Stand Number(s): 5, 6, 32, 33

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

Estimated Acres: 219.1 Source:  OI  GPS  Other GIS

**Payment will be made on the basis of these estimated acres.**

### TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
32	J6	98.6		clearcut	northern hardwood
33	R6	76.7		crown thinning	red pine
6	J6	18.7		clearcut	northern hardwood
5	R6	25.1		crown thinning	red pine

### PRESCRIPTION

1. Stands 6 & 32 - clearcut all jack pine. Mark boundary lines and cruise jack pine.
2. Stands 5 & 33 - thin red pine to 70-90 square feet basal area. Emphasis should be on removing poor form, doubles, and suppressed trees. Once they have been marked, reduce to target basal area as needed.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

**Access** Alkire and Swanson Roads (both are County Seasonal Roads that are not plowed in the winter).

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
N/A	

**CONTRACT WORK CAN BEGIN**

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date 08/31/2010

**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 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 checked="" 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 checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input checked="" 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:**

GPS data must be provided in the form of an area feature as a shapefile (.shp)

**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)
32	.5	4.5 X 4.5
33	.5	4.5 X 4.5
6	.5	4.5 X 4.5
5	.5	4.5 X 4.5
<b>TOTAL NUMBER OF CRUISE POINTS</b>	108	

**Cruise Special Instructions:**

A detailed map of cruise point locations must be provided with cruise data. If using Solo Forest, a .WAY file with plot locations may be used instead of a map. If cruising with Tcruise software, a .tce file may be used instead of tally sheets.

**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		n/a	
Girdled Trees Per Acre		n/a	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Orange paint, 2 sides	9.1	8.0
Sawbolts	n/a	n/a	n/a
Pulpwood	Orange paint, 2 sides	4.6	4.0

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
	1 :
	1 :
	1 :
	1 :

**SPECIAL MARKING INSTRUCTIONS**

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 Lint at (231) 922 - 5280 ext. 6844, to make arrangements for paint.
2. Paint will be supplied from Traverse City 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.