

# TIMBER SALE PRESCRIPTION

				GENERAL						
Date				Forest, Mineral an	Forest, Mineral and Fire Management Unit					
02/19/2009					Cadillac FMU					
Timber Sale Numb				Sale Name (or prescription name)						
63-009-09-01 C23 Mix										
LOCAL CONTACT Name Telephone										
Cheryl Nelso	n	51 Ext. 6	5942							
Email Address			FAX	1001 1110. 0012						
nelsonca@mic	higan.gov	43								
Map of Project Area Attached										
LEGAL DESCRIPTION										
T18N R11W Section(s)17, 19, 30 Description See Map										
Year of Entry:	2008 Compar	tment(s):	23 Stand Nu	mber(s): 2, 24, 41, 43,	48, 57					
	THIS 1	TIMBER S	ALE CONTRA	CT IS BASED ON THE F	OLLOWING	ACREAGE				
Catimated Aero		ce: 🖂 OI								
Estimated Acre			_	Other						
Payment will be n	nade on the basis	of these e								
				TMENT & OBJECTIVE						
STAND#	COVER TYPE	ACRES	ВА	TREATMENT		MANAGEMENT OBJECTIVE				
2	W6	19	130	Thinning	White Pir	ne				
24	A6	5	170	Final Harvest	Aspen					
41	W6	20	150	Thinning	White Pir	White Pine				
43	06	23	110	Seed Tree	Oak					
48	09	84	100	Seed Tree	Oak					
57	09	120	100	Seed Tree	Oak					
PRESCRIPTION										
						pine under 10"DBH. Create				
						ine. Target BA to avg. 70.				
2. Stand 24: Final harvest. Mark oak 8"DBH or larger to leave. Target BA to avg. 10.										
3. Stand 41: Cut all white pine 10"DBH and larger. Mark to thin white pine under 10"DBH. Create openings in areas of oak seedlings/saplings. Do not cut any red pine. Target BA to avg. 50.										
4. Stand 43: Cut all aspen and red maple. Remove overstory trees overtopping oak regeneration.										
In solid oak zones with no regeneration, thin oak leaving target BA of 30.										
5. Stand 48: Remove overstory overtopping oak regeneration, leaving a target BA to avg. 20. Mark to leave a target BA to an avg. of 40 in solid oak zones and high quality oak areas. Cut all										
aspen and red maple.										
6. Stand 57: Break stand up into two units. In both units, cut all aspen and red maple. Also,										
cut all white and red pine 10"DBH and larger in both units. In the lower quality oak unit,										
mark oak to leave a target BA avg. 20-30BA. In the higher quality oak unit, mark oak to cut leaving a target BA avg. 20-40.										
Access	a cargee bri	avg. 20	. 10.							
DNR PF	REPARATION W	ESTIMATED DATE								
Boundary line	es (Red paint)	Complete								
Private line (I		Complete								
CONTRACT WORK CAN BEGIN										
☑ Immediately ☐ Date:										
CONTRACT WORK MUST BE COMPLETED BY Date 09/01/2009										

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TYPE OF LINE	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR		
Private boundary		П	⊠ Blue	По	ther:
Sale boundary			⊠ Red		ier:
ale cutting unit			⊠ Yellow		ther:
tand type line			Red		Other:
) Stand 48 will ha	the bid	)' of private b	aint forming a		
GPS units must be shp) and/or corre	METHOD  GPS String Ch GPS String Ch GPS String Ch compatible with Ar acted file (.cor) mu de file(s) or provid	ain Other  ain Other  CView or Pathfist be supplied	to the DNR of with a flash o	fice. Alt	
Sale Payment Unit Stand pecial Instructions: ) GPS units must be .shp) and/or corre	GPS String Ch GPS String Ch GPS String Ch Compatible with Ar Coted file (.cor) mu TIM The bid This is n  Factor: 10 2	ain Other ain Other  CView or Pathfist be supplied ing the office  BER CRUISING SP  ot included in the	to the DNR of with a flash of	fice. Alt	
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	HWIBER WARKING	SPECIFICATIONS			
$oxed{oxed}$ This is included in the bi	id 🔲 This is not included i	n the bid			
□ Precise specifications to	be delineated at pre-work m	eeting with DNR staff			
Total Merchantable Residua	IBA (Basal Area): Dependen	t on stand (Minimum	to Maximum)		
TREAT	ГМЕПТ	NUMBER	SIZE		
Regeneration Gaps Per Acre Girdled Trees Per Acre	9				
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB		
Sawlogs					
Sawbolts					
Pulpwood					
TVDE 05 W0DI/			D.1117 001 00		
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR		
Trees marked to leave			☐ Other		
Trees marked to cut			<ul><li>✓ Orange</li><li>✓ Other</li></ul>		
	TALLY IN	TENSITIES			
SPECIES /	PRODUCT	RATIO			
		1 :			
	_	1:			
		1:			
		1:			

#### SPECIAL MARKING INSTRUCTIONS

- 1) Stand/boundary trees shall be marked red at DBH with a "V" that is visible on 3 sides and the point of the "V" facing the sale area. Corners within the sale should be marked with 3 well defined vertical "V"'s.
- 2) Paint leave trees green at DBH with a slash on two sides (that is visible from all sides), and a stump mark.
- 3) Paint cut trees orange at DBH with a slash on two sides (that is visible from all sides), and a stump mark.

See appendix for further 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 Cheryl Nelson at (231) 745 4651, ext. 6942, to make arrangements for paint.
- 2. Paint will be supplied from the Baldwin 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.

## C23 Mix - Contractor Appendix

### When establishing Paint Lines

- Avoid using dead or badly damaged trees- boundary trees must last for the duration of the timber sale Up to 5-6 years.
- Avoid using small (fast growing) stems and those exposed to direct sunlight.
- Marking must be done in dry weather and when the trees are not wet.
- Paint the boundary line in such a way that it can be seen from the inside of the sale as well when walking along the line from either direction.
- Lines should be four and a half feet above the base of the tree.

## **GPS Requirements**

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- PDOP mask must be less then or equal to 8.
- SNR setting must be less then or equal to 4.
- The GPS must be set to record data with a minimum of 4 satellites.
- Sale boundaries must be recorded as an area feature not a line.
- The GPS must determine area to tenths of an acre.

## When Registered Corners or Witness Trees Are Discovered

- Any wooden posts encountered at corners must 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 the ground.
- Please report corner condition to the local contact.

## When Cruising

- Residual basal area must be recorded.
- Plot centers must be marked on cruise map with a scale of 1:15840 or larger (i.e., 1:7920).
- Plot center will be marked by a stake or stick firmly inserted in the ground (not snow) with ribbon attached to it at a height of not less than two feet above the ground, and labeled with the plot number. In addition, ribbon at least 12 inches long must be attached to a tree closest to plot center.