

MICHIGAN DEPARTMENT OF NATURAL RESOURCES FOREST, MINERAL AND FIRE MANAGEMENT

TIMBER SALE PRESCRIPTION

				GEN	ERAL				
Date May 5, 2008				Forest Management Unit Roscommon					
				Sale Name (or prescription name) Moorestown Rd Red Pine					
				LOCAL (CONTACT				
Telephone Numb (989) 275 -		0			FAX Number (989) 275 -	6203			
Name Steve Anderson				Email Address Anderss1@michigan.gov					
	oject Area Atta	ched							
			LE	GAL DE	SCRIPTION				
T24N R4w Section(s) 24 Description sesw of 6; nwsw of 5									
Year of Entry: 2008 Compartment(s):21 Stand Number(s): 21 and 26									
THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE									
Estimated Acre	es: 19 Sourc	e: 🖂 OI	GPS	Othe	r				
Payment will be n			10 1 - 1 0-2000 NWY						
			TREA	ATMENT	& OBJECTIVE				
STAND#	COVER TYPE	ACRES	ВА	TF	REATMENT		MANAGEMENT OBJECTIVE		
21	R6	12	140	Thinni	ng	Red Pine	d Pine		
26	R6	7	160	Thinni	ng	Red Pine			
				PRESC	RIPTION				
access route Residual BA hardwoods wi	s through are will vary fr	eas of 1 om 90-12 ly damag	ow quality O Sq ft, de e the resid	and ale ependan dual st	ong old roads t on original and, they sho	s, prior t L stocking	a and suppressed trees. Mark o marking majority of stand. g and quality. If removal of arked with green paint to		
DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK							ESTIMATED DATE		
CONTRACT WO	ORK CAN BEGIN	۷:							
CONTRACT WORK MUST BE COMPLETED BY: Date 12/15/2008									

1

PAINT LINE WORK								
X 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 COLO	PAINT COLOR				
Private boundary				☐ Other	Other:			
Sale boundary	x		X Red	☐ Other				
Sale cutting unit	x		X Yellow	☐ Other	:			
Stand type line				☐ Other				
Exclusions to mark and why Standards for marking lines		nd:						
		AREA CALCUL	ATION					
☐ This is included in the bid ☐ This is not included in the bid								
UNIT	METHOD			STANDARD				
Sale	☐ String Chair	Other						
Payment Unit	☐ String Chair	Other						
Stand GPS Special Instructions:	☐ String Chair	Other						
•	TIMBE	R CRUISING SP	ECIFICATIONS					
☐ This is included in the bid	I ☐ This is not	included in the	e bid					
M This is included in the bit		molace m an	, bid					
Required Basal Area Factor: 🛛 10 🔲 20 Other:								
Cruise Line Directions: N/S								
CRUISING UNITS	3	1 point p	er acre	SPAC	CING (CHAINS)			
Stand 21		1		3 X 3	185 159			
Stand 26	9	1	i 8	3 X 3				
TOTAL NUMBER OF CRUI	SE POINTS	1	9					
Cruise Special Instructions: Cruise all species separa Office Staff Residual BA by species sh Cruise data should be sep	ould also be re	corded at eac	h point					

R 4038 (03/17/2003)

density shown is based on stand acreage, not PU acreage. (prevents over-sampling)

	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 Residual BA (Basal Aı	rea): 100						
TREA	TMENT	NUMBER	SIZE				
Regeneration Gaps Per Acr	e	none	none				
Girdled Trees Per Acre		none	V-000001-00000				
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB				
Sawlogs	Orange slash, visible all the way around the tree, and one orange dot at the stump/ground line	10.0"	9.0"				
Pulpwood	Orange slash, visible all the way around the tree, and one orange dot at the stump/ground line	4.6"	4.0"				
TVD= 05 W0DV			D.1117 001 00				
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR				
Trees marked to leave			Green				
Trees marked to cut	\boxtimes	Ш	☑ Orange ☑ Other				
TALLY INTENSITIES							
	SPECIES /	PRODUCT					
		8					
		8					
Retain 1-2 wildlife den trees Retain 1-2 trees of declining Regeneration gaps should l	dwoods, jack pine JCTIONS: ase" method (see <i>The Comp</i>	ction. poor quality trees (if po	ossible).				
RESTRICTIONS: PAINT:							
 Call Jason Hartman at (98) Paint will be supplied from Contractor's work scheduled The DNR will not be available. A list of names that market A summary of paint used 	le must coincide with the DNR vable on weekends or evenings. ed or cruised each payment unit in quarts. payment unit (one summary re	work schedule for paint su					

ROSCOMMON MANAGEMENT UNIT MARKING BOUNDARIES AND AREA

- 1. The attached type map delineates the contract marking area.
- Marking must be done in dry weather and when tree surfaces are not wet.
- Paint the boundary line in such a way that it can be seen both from the inside of the sale area and when walking along the line from either direction (two sides).
- 4. The Roscommon Management Unit does not contract the marking of private lines on any of our timber sales. Management Unit personnel will mark private lines with blue paint and the contractor will mark remaining stand(s) with red paint so as to obtain complete closure of all stands designated for cutting.
- If sale is to be divided into cutting units, line location will be as shown on attached map of sale.
 Cutting lines will be marked with yellow paint on four sides of trees.
- Place Marks approximately six feet above the base of the tree.
- 7. The contractor will keep track of total quarts of paint used per-sale by color.
- Contractor must use GPS to determine acreage.
- Position Mode must be set so that GPS receiver collects data from a minimum of four satellites and 3D.
- 10. GPS receiver must log PDOP, SNR, number of satellites, and mode of collection (Manual/GPS).
- 11. PDOP mask must not exceed 7. This can be modified if approved by the Unit Manager.
- 12. GPS data must be differentially correct and provided in either ESRI .SHP or Trimble .COR format. Files will contain PDOP(HDOP at the discretion of the Unit Manager), SNR, number of satellites, and mode of collection (Manual/GPS) for each point collected. In addition, supply a disk of traverse file along with hard copy of the corrected traverse file.

Appendix B

ROSCOMMON MANAGEMENT UNIT TIMBER CRUISING SPECIFICATIONS

- Cruise at a rate specified in the Timber Sale Preparation Prescription.
- 2. Use a 10-factor prism for all plots. Plots shall be evenly distributed throughout sale area.
- Use the product standards to determine products and heights of products. See appendix D of product summary in the "The Compleat Marker: A Guide to Managing Northern Hardwoods on Michigan State Forests".
- 4. Mark location of plots on the map, using the plot number.
- 5. Unless otherwise agreed to by the contract administrator and the contractor, 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.
- All cruise sheets must have compartment number, stand number, unit number, prism factor, date, individual tree species, and the cruiser's name.
- 7. A copy of the POSALE program will be provided to the successful bidder for cruise data entry.
 Original cruise sheets and a disk containing the cruise data exported from POSALE must be delivered upon the completion of the sale. Note: At the cruise data entry screen in POSALE, when prompted to enter the stand acres, enter your actual GPS acres for that stand—NOT the contract's estimated inventory-based acreage.

Appendix C

ROSCOMMON MANAGEMENT UNIT LEAVE TREE MARKING SPECIFICATIONS

- Leave Trees must be marked at breast height and also stump marked with green paint.
- Paint on leave trees must be able to be seen from all sides of the tree.
- Den trees and good mast trees, if found, must be marked to leave for wildlife.