



TIMBER SALE PRESCRIPTION

GENERAL					
Date 04/07/2008	Forest, Mineral and Fire Management Unit Shingleton				
Timber Sale Number (if applicable)	Sale Name (or prescription name) RPP Reservoir Dam Road Sale				
LOCAL CONTACT					
Name Joe Durbin	Telephone (906) 293 - 4040				
Email Address durbinj@michigan.gov	FAX (906) 293 - 8728				
<input checked="" type="checkbox"/> Map of Project Area Attached					
LEGAL DESCRIPTION					
T47N R13W Section(s) 29, 30 and 31 Description multiple					
Year of Entry: 2005 Compartment(s):109 Stand Number(s): 12, 26, 91, 94, 95, 96 and 98					
THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE					
Estimated Acres: 344 Source: <input checked="" type="checkbox"/> OI <input type="checkbox"/> GPS <input type="checkbox"/> Other _____					
Payment will be made on the basis of these estimated acres.					
TREATMENT & OBJECTIVE					
STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
12	R6	184	70	Final Harvest	opening (G)
26	R4	42	30	Final Harvest	opening (G)
91	R5	6	60	Final Harvest	opening (G)
94	R5	26	50	Final Harvest	opening (G)
95	R6	6	70	Final Harvest	opening (G)
96	R6	5	70	Final Harvest	opening (G)
98	R6	75	70	Final Harvest	opening (G)
PRESCRIPTION					
1.This timber marking contract is for painting sale boundary (blue) lines, payment unit (green) lines and cruising each payment unit.					
2.For sale boundary (blue) lines, paint sub-merchantable or non-red pine trees when possible.					
3.See attached map for sale layout and payment unit locations.					
4.Some of the above listed stands may be combined and/or split to form Payment Units.					
5.Use green paint between adjacent payment units.					
6.					
7.					
8.					
DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK				ESTIMATED DATE	
East boundary of stand 98 (Payment units 1 & 2) has been painted and GPS'ed by DNR.					
CONTRACT WORK CAN BEGIN					
<input checked="" type="checkbox"/> Immediately <input type="checkbox"/> Date:					
CONTRACT WORK MUST BE COMPLETED BY Date September 15, 2008					

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"/> Blue	<input type="checkbox"/> Other:
Sale cutting unit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Green	<input type="checkbox"/> Other:
Stand type line	<input type="checkbox"/>	<input checked="" 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	Provide SSF or SHP file
Payment Unit	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	Provide SSF or SHP file
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 as best fits

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
1-2	1 plot per acre	3 chains X 3 chains
3-7	1 plot per 2 acres	4 chains X 5 chains
8-10	1 plot per acre	3 chains X 3 chains
		X
TOTAL NUMBER OF CRUISE POINTS		

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 BA (Basal Area): _____ (Minimum _____ to Maximum _____)

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 type="checkbox"/>	<input type="checkbox"/>	<input 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 Joe Durbin at (906) 293 - 5131 x 4040, to make arrangements for paint.
2. Paint will be supplied from Newberry or Shingleton.
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.

RPP RESERVOIR DAM ROAD SALE (COMPARTMENT 109) CONTRACT RED PINE FINAL HARVEST TIMBER SALE
PRESCRIPTION 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).
- Favor the use of reserved species such as oak or hemlock.
- Avoid using small (fast-growing) stems and those exposed to direct sunlight.

When Registered Corners or Witness Trees are discovered:

- Any wooden posts encountered at corners must also 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 ground level with either red paint (corner surrounded by state lands) or blue paint (corner on private property boundary line). In addition, tying ribbon on these trees helps alert loggers to their presence. Do not mark any trees for harvest if cutting them is likely to result in damage to corner monuments and/or bearing trees.
- Please report the condition of all corners, posts and bearing trees to the LCA.

When Cruising:

- Data must be recorded so that volume can be determined by payment unit. If a stand is split into 2 or more payment units, each unit must be recorded separately. In addition, all data must be summarized by species or species grouping by payment unit.
- Within all stands, cruise all trees (by species) that will yield one or more 100" pulpwood sticks with a minimum top diameter of four (4) inches DIB. Also, for red and white pine, cruise sawlogs.
- Within all stands, residual basal area (merchantable sized trees **by species**, and snags) at each plot must also be recorded on the cruise sheets. Borderline residual trees do not have to be measured, but every other borderline tree should be counted.
- Plot centers must be marked according to contract specifications and correspond to a legible 1:15840 scale cruise map. Cruise specifications may be altered as necessary by the LCA.

The management objective for stands 12, 26, 91, 94, 95, 96 and 98 is opening (G).

Reserved Species:

- No oak or hemlock will be cut.
- Leave obvious den trees and snags and tally on cruise sheets.
- Report the discovery and location of any raptor nest trees to the LCA as soon as possible.

The contractor should contact Jeff Stampfly, Unit Manager, at the Shingleton Field Office, PO Box 67, M-28, Shingleton, MI 49884 (906) 452-6227 once the contract is awarded. Approximately 1 week prior to beginning work, the contractor will notify the Unit Manager or LCA to arrange an on-site meeting to discuss the details of these prescriptions. Paperwork should be completed and all of the necessary reports submitted to the Unit secretary as soon as possible after the fieldwork is complete.