



TIMBER SALE PRESCRIPTION

GENERAL

Date 11/10/2009	Forest, Mineral and Fire Management Unit Cadillac FMU
Timber Sale Number (if applicable) 63-003-10-01	Sale Name (or prescription name) 115 Hardwoods

LOCAL CONTACT

Name Steve Eisele	Telephone (231) 824 - 9080
Email Address eiseles@michigan.gov	FAX (231) 824 - 9340

Map of Project Area Attached

LEGAL DESCRIPTION

T23N R07W Section(s) 5, 4, and 8 Description Section 4 N1/2, Section 5 NW + SE, Section 8 NWNE

Year of Entry: 2010 Compartment(s):115 Stand Number(s): 19, 50, 63, 82

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 200 Source: OI GPS Other IFMAP

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

TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
19 - Unit 1	M6	103	80-110	Selection	Northern Hardwoods
50 - Unit 2	M6	52	80-110	Selection	Northern Hardwoods
63 - Unit 3	M6	14	80-110	Selection	Northern Hardwoods
82 - Unit 4	M6	31	110-140	Selection	Northern Hardwoods

PRESCRIPTION

1. Follow Guidelines in Complete Marker. Target poor quality and suppressed trees for removal.
2. Residual BA of 70.
3. Remove all ironwood by spec.
4. Leave mark two large aspen trees per acre for snags.
5. Remove all other aspen by spec.
6. Retain underrepresented species such as hemlock, elm, and yellow birch.
7. Mark for best tree in place.
- 8.
- 9.
- 10.

Access See Map

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Line work to be complete	11/05/09

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date 07/30/2010

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)
1	.6	4 X 4
2, 3, 4	1	3 X 4
		X
		X
TOTAL NUMBER OF CRUISE POINTS	166	

Cruise Special Instructions:

Cruise all sawlogs to a 8" top, and all pulpwood to a 4.0" top (DIB). Point sample method crusing for all products and species. Cruise allorange marked trees, ironwood, and non green marked aspen.

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): 70 (Minimum 60 to Maximum 80)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Single slash	9.1 "	8 "
Sawbolts			
Pulpwood	Single Slash	4.6 "	4.0 "

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR
Trees marked to leave	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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

Mark 2 aspen trees per acre green to leave.

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 Steve at (231) 824 - 9080, to make arrangements for paint.
2. Paint will be supplied from Manton 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.