



TIMBER SALE PRESCRIPTION

GENERAL

Date 02/16/09	Forest, Mineral and Fire Management Unit Traverse City MU - Kalkaska
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 169 - Hardwoods

LOCAL CONTACT

Name Dave Johnson	Telephone (231) 258 - 2711
Email Address johnsod5@michigan.gov	FAX (231) 258 - 9471

Map of Project Area Attached

LEGAL DESCRIPTION

T28N R6W Section(s) 30, 31 Description 30 - NWNE; NW1/4; W1/2SW; NESW 31 - S1/2NW; SW1/4
 T28N R7W Section(s) 25, 36 Description 25 - NENE; SESE 36 - NESE

Year of Entry: 2008 Compartment(s):169 Stand Number(s): 60, 78, 100, 101

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 296 Source: OI GPS Other _____

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

TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
78	M6	203	110	Selection	Northern Hardwoods
100	M9	14	120	Selection	Northern Hardwoods
101	M9	64	110	Selection	Northern Hardwoods
60	M6	15	110	Selection	Northern Hardwoods

PRESCRIPTION

1. Reduce stand basal area to 80ft² using single tree selection/crop tree release marking techniques.
2. Retain under-represented species.
3. See contract administrator for further details.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.

Access See map.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Northwest type lines in stands 100 and 101 will be put in by DNR personnel. See sale map.	04/18/2008

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date 09/19/09

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

None

Standards for marking lines against private land

In stand 78, run private property lines and paint the boundary with blue paint. The private line in stand 101 will already be painted in by DNR personel. Any corner markers must be protected. Witness trees discovered during the course of sale preparation must be protected by painting a ring completely around the tree 4-6' above ground level with either red paint (corner surrounded by state lands) or blue paint (corner on private property boundary line).

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:

Provide corrected GPS files compatable with Pathfinder software or ArcView. Where applicable roads may be used for unit boundaries. Payment unit lines may be recorded as a line feature. This sale will be broken into 2 separate timber sales, so no sale map is required. G types do not have to be delineated out with paint, however the area must be GPSed and the acreage must be subtracted out. See map.

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)
		X
		X
		X
		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): 80 (Minimum 70 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre Girdled Trees Per Acre		2-4	30' to 50' crown
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	Slash on 2 sides w/dots	10 inches	8 inches
Sawbolts	N/A		
Pulpwood	Slash on 2 sides	5 inches	4 inches

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
Sawlogs	1 : 1
	1 :
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

- If a stick nest is encountered report findings immediately to the contract administrator.
- 100% tally sawlogs. DNR will cruise pulpwood.
- Mark an "X" on any sawlog that needs to be counted as pulpwood.
- There is an ORV trail that runs through stand 78. Do not mark any trees within 10 feet of this trail.

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 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 Dave Johnson at (231) 258 - 2711, to make arrangements for paint.
2. Paint will be supplied from Kalkaska 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.