



TIMBER SALE PRESCRIPTION

GENERAL

Date 7/31/2006	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 90 Hardwoods

LOCAL CONTACT

Name Jason Tokar	Telephone (906) 293 - 3293 x4742
Email Address tokarj@michigan.gov	FAX Number (906) 293 - 8530

Map of Project Area Attached

LEGAL DESCRIPTION

T47N R11W Section(s) 25, 26, 35, 36 Description Sec 25: SWSW Sec 26: SESE Sec 35: NENE, SENW, NESW
Sec 36: NWNW

Year of Entry: 2007 Compartment(s): 90 Stand Number(s): 65, 93

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 44 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
65	M6	28	130	selection	northern hardwoods
93	M6	16	140	selection	northern hardwoods

PRESCRIPTION

1. Favor (leave) the best crop tree in place, regardless of species.
2. Leave all hemlock, white pine, and a component of yellow birch, if present.
3. Aspen and balsam are to be marked for removal.
4. Stand 65 - Leave/avoid marking within pockets of WP, S, H.
5. Stand 65 - mark to an average residual BA of 70 sq ft.
6. Stand 93 - mark to an average residual BA of 80 sq ft.
7. Mark stand for maneuverability within the stand for logging operations to occur.
8. Leave nest or den trees, and favor a few cull trees for wildlife (esp. near edge types)
- 9.
- 10.

Access From Newberry: take M-123 north to CR 407. Go west on CR 407 ~ 4.5 miles to CR455. Go west ~ 2 miles to stand 65.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
pre-work conference before field work begins	

CONTRACT WORK CAN BEGIN
 Immediately Date:
CONTRACT WORK MUST BE COMPLETED BY Date 07/16/2007

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"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Yellow	<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

Avoid pockets of large white pine (w/spruce, hemlock) and pockets of spruce within stand 65.

Standards for marking lines against private land

No private line work required. There is a survey corner within stand 65 which needs to be located and corresponding bearing trees designated/marked with blue paint.

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	2 meters
Payment Unit	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Stand	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	2 meters

Special Instructions:

The DNR must approve GPS unit(s). Contractor must provide the unit(s).

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 Residual BA (Basal Area): 75 (Minimum 60 to Maximum 90)

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre	1	1/5
Girdled Trees Per Acre		

PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" with dots	12	10
Sawbolts			
Pulpwood	slash/dots on tally tree	6	4

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
All marked sawlogs (by species)	1 : 1
Individual hardwoods species/pulp	1 : 20
Mixed aspen, balsam fir	1 : 10
	1 :

SPECIES TO FAVOR

Maintain stand diversity by leaving some beech, yellow birch and cherry (wildlife preferred).

SPECIES TO FAVOR

Good quality red maple and sugar maple.

SPECIAL MARKING INSTRUCTIONS

If stick nests are found, leave a minimum 1 chain buffer around the nest tree and contact the Newberry Unit Field Office to determine if any other actions need to be taken.

Beech Bark Disease is found on the beech trees throughout the stand. While marking, evaluate and mark beech that has been attacked by the beech scale disease but still has merchantable value.

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 Newberry FMU at (906) 293 - 3293, to make arrangements for paint.
2. Paint will be supplied from (location).
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.