



TIMBER SALE PRESCRIPTION

GENERAL

Date 8/18/08	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 92 Contract

LOCAL CONTACT

Name Jason Tokar	Telephone (906) 293 - 3293
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Map of Project Area Attached

LEGAL DESCRIPTION

T47N R11W Section(s) 22, 32 Description Sec 22: NENW, NE1/4 Sec 32: E1/2NW, SWNE

Year of Entry: 2009 Compartment(s):92 Stand Number(s): 5, 6, 15, 114

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 82 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
5	M6	8	110	Shelterwood	Northern Hardwoods
6	M6	29	130	Selection	Northern Hardwoods
15	A6	15	100	Final Harvest	Aspen
114	M6	30	140	Thinning	Northern Hardwoods

PRESCRIPTION

Marking Units (stands 5, 6, 114):

1. Favor (leave) the best future crop tree in place, regardless of species.
2. Leave a component of all hardwood species present.
3. Mark stand to improve maneuverability within the stand for logging operations to occur.
4. Stand 5; mark all aspen, low quality hardwood and WP, and some spruce; res BA to avg 50
5. Stands 6 and 114; Some conifers can be marked, retain a component of each spp. No hemlock cut.

Cruising Unit (stand 15):

1. Cruise out all species. Some WP will be marked for cut.
2. Only take Basal Areas on spruce, cherry and unmarked white pine. They are not being cut.
3. Leave obvious nest or den trees, retain potential wildlife trees if none are present.

Access Proceed west from Newberry on M-28 to McMillan. Turn right on Co Rd 415. Follow Co Rd 415 north for approximately 7 miles to the work area

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Establish NW 1/16 corner in Section 22	10/01/2008
Establish corners around Section 32	10/01/2008

CONTRACT WORK CAN BEGIN

Immediately Date: _____

CONTRACT WORK MUST BE COMPLETED BY Date **08/01/2009**

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 type="checkbox"/> Yellow	<input checked="" type="checkbox"/> Other: Green
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**

Must be within a minimum of 10 feet of actual property 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	2 meters
Payment Unit	<input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	2 meters
Stand	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	

Special Instructions:

DNR must approve GPS units. Contractor must supply their own GPS Units that are capable of downloading information to a PC.

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** To be determined at pre-work meeting

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Stand 15	~1	3 X 3
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS	15	

Cruise Special Instructions:

Cruise all aspen, paper birch, red maple, sugar maple, beech, jack pine and balsam fir pulp; cruise any maple for sawlogs that may exist. Only record basal areas for any spruce, black cherry and unmarked white pine that fall on the cruise plot. These species are not being cut and are to be left as residual. Exact plot center will be marked by placing a stick in the ground, flagged with ribbon marked with the corresponding plot number. These items will be discussed at the pre-work meeting.

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 50 to Maximum 90)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" and dots	12	10
Sawbolts			
Pulpwood	slash; dots-tally trees	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 hardwood sawlogs (by species)	1 : 1
Mixed hardwoods pulp	1 : 20
Aspen, spruce, balsam, white pine pulpwood	1 : 10
	1 :

SPECIAL MARKING INSTRUCTIONS

Avg residual BA: Stand 5 - 50 sq ft; Stands 6 and 114 - 70-80 sq ft.
 -Two sided marking on all marked trees.
 -Maintain stand diversity across all age classes. Leave a component of all hardwood species present. Do not mark any hemlock.
 -A minimal amount of marking (WP) will be required in Stand 15.
 -Remove low quality and high risk hardwoods. Promote yellow birch where possible.
 -If stick nests are found, leave a minimum 1 chain buffer around the nest tree and contact the Newberry Unit Field Office for any additional requirements.
 -Beech Bark Disease is found on the beech trees throughout the stands. While marking, evaluate and mark beech that has been attacked by the beech scale disease but still has merchantable value.
 -Dots will be painted on the pulp tally trees so they can be checked.

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