



TIMBER SALE PRESCRIPTION

GENERAL	
Date 10/09/12	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 102

LOCAL CONTACT	
Name Scott Kentner	Telephone (906) 293 - 3293 4742
Email Address kentnerS@michigan.gov	FAX (906) 293 - 8530

Map of Project Area Attached

LEGAL DESCRIPTION	
T46N R11W	Section(s) 1-3, 11-13 Description See Cover Map

Year of Entry: 2013 Compartment(s):102 Stand Number(s): 4-6,9,11,15

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 280.6 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
4	R6	31.7	170 -> 90	Thinning	Red pine
5	W6	63.6	140 -> 60	Shelterwood	White pine
6	R6	6.8	170 -> 100	Thinning	Red Pine
9	M9	152.7	140 -> 70	Selection	Northern Hardwoods
11	M6	18.9	140 -> 70	Selection	Northern Hardwoods
15	A9	6.9	110 -> 0	Clearcut	Aspen

PRESCRIPTION

1. Stands 4,5,6,9,11 need to be marked for cutting. The type marking varies in each stand. (See timber marking section below for more detailed marking specs.)
2. Mark all stands to improve maneuverability within the stand for logging operations to occur.
3. Cruise Stand 15 (see timber cruising section for more detailed specs.)
4. If stick nest are found, contact the Newberry Field office for additional requirements.
5. Retain some den cavity trees if present.
6. In Stand 15 leave appropriate buffer along Silver Creek.
- 7.
- 8.
- 9.

Access Work area West of Newberry, off M-28 north on County Road 415, on Silver Creek Road. See cover type map.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
none	

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date 09/01/2013

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"/> Other:

Exclusions to mark and why

In stand 15 buffer Silver Creek, (100 ft buffer) and stay back from river edge of adjacent stand. Exclude any wet area/vernal ponds from the timber sale area. Red line should be put around those areas.

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:

Contactors must supply their own GPS Units that are capable of downloading information to a computer.

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)
Stand 15	1	3 X 3
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

- Cruise stands by species and products per DNR standards.
- Cruise out all species present. Cruise Aspen as pulpwood only.
- 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):

- Stand 4 : 90 BA (Minimum 80 to Maximum 100)
- Stand 5 : 60 BA (Minimum 50 to Maximum 70)
- Stand 6 : 100 BA (Minimum 90 to Maximum 110)
- Stand 9 : 70 BA. (Minimum 60 to Maximum 80)
- Stand 11 : 70 BA. (Minimum 60 to Maximum 80)

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre			
Girdled Trees Per Acre			
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" with dots	12"	10"
Sawbolts			
Pulpwood	slash	6"	4"

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Orange <input type="checkbox"/> Other

TALLY INTENSITIES	
SPECIES / PRODUCT	RATIO
Mixed species of sawlog quality	1 : 1
Mixed species of pulpwood quality	1 : 20
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

- Two sided marking on all marked trees, no matter species, that are to be cut.
- Dots will be painted on pulp tally trees so they can be checked.
- Mark all sawlog trees with an "X" with dots to correspond with the number of sawlogs tallied.
- High quality stump marks extending into duff layer on all trees.
- Stand 4 reduce to 90 BA. Remove aspen and spruce, reduce white pine component.
- Stand 5 reduce to 60 BA. Remove mature aspen, hardwoods, balsam and spruce.
- Stand 6 reduce BA to 100.
- Stand 9 and 11 reduce BA to 70. Remove large diameter maple, low quality maple and most of beech. Leave hemlock and component of yellow birch.
- Above marking items will be discussed at pre-work meeting.

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