



TIMBER SALE PRESCRIPTION

GENERAL	
Date 10/9/2012	Forest Resources Division Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name) Compartment 75

LOCAL CONTACT	
Name Scott Kentner	Telephone (906) 293 – 3293 x4742
Email Address kentners@michigan.gov	FAX (906) 293 - 8530

Map of Project Area Attached

LEGAL DESCRIPTION	
T45N R7W Section(s) 23, 24, 25 & 26	Description See Map

Year of Entry: 2013 Compartment(s):075 Stand Number(s): 13, 18, 24, 26, 28, 30, 31, 35, 36, 39

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 437 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
13 & 31	Low Conifer/ MX Dec.	65	90	C.Cut w/Reserves	Low Conifers w/ MX Deciduous
36	Black Spruce	9	95	C.Cut w/Reserves	Black Spruce
39	Aspen/Spruce /Fir	51	95	C.Cut w/Reserves	Aspen/Spruce/Fir
18, 28, 30 &35	Mx Hw/Sw.	224	120 ->50	Shelterwood w/ Res.	Mx Hw/Sw
24 & 26	Rm/Conifer	88	120 ->70	Single Tree Selection	Rm/Conifer

PRESCRIPTION

Marked stands:

- Improve maneuverability within the stand for logging operations to occur.
- If a stick nest is found contact administrator.
- Retain den/cavity trees if found.

Clear Cut Stands:

- Leave Wp, Hemlock and Cedar. Leave Aspen and Yellow birch (1 tree/5 acres)

Shelterwood w/ Reserve Stands:

- Remove Aspen, Spruce, BF and Birch.
- Mark all other species to leave; residual BA=50.
- Leave 1 Aspen/Birch per 5 acres. Leave all Hemlock and Cedar.

Single Tree Selection Stands:

- Mark to 70 BA. Leave hemlock and a component of all species present.
- See timber cruising section for more detailed specs.
- See timber marking section below for more detailed marking specs.
- Contact the Newberry field office for additional requirements.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE

CONTRACT WORK CAN BEGIN

Immediately Date:

CONTRACT WORK MUST BE COMPLETED BY Date: 6/30/2014

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:

Exclude wet areas from the timber sale area. Red line should be put around these areas.

Standards for marking lines against private land:

Must be within 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:

Contractor must supply their own GPS Units that are capable of downloading information to an ArcMap document.

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)
13, 31, 36 & 39		4 X 5
18, 28, 30 & 35		4 X 5
TOTAL NUMBER OF CRUISE POINTS	175	

Cruise Special Instructions:

- Cruise stands by species and products per DNR standards. Record B.A. of trees being reserved.
- Stands 13, 31, 36 & 39: Cruise all species. Leave WP, Hemlock and Cedar.
- Stands 18, 28, 30 & 35: Remove Aspen, Spruce and Balsam fir; cruise out all other species not marked to leave.
- 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 Resources Division 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):

50 (Minimum 40 to Maximum 60) – Stands 18, 28, 30, and 35

70 (Minimum 60 to Maximum 80) – Stands 24 and 26

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 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
Mixed species of sawlog quality	1 : 1
Mixed species of pulpwood quality	1 : 20

SPECIAL MARKING INSTRUCTIONS:

- Stands 13, 31, 36 & 39: Mark to leave (GREEN) 1 Yellow birch and 1 Aspen/ 5 acres when present.
- Stands 18, 28, 30 & 35: Mark to leave (GREEN) 1 Aspen/ 5 acres when present.
Mark to leave (GREEN) hardwood species to a BA of 50, including marked aspen.
- Stands 24 & 26: Mark to cut (ORANGE) to a residual BA of 70. Retain all Hemlock and a component of all species present.
- Two sided marking on all marked trees.
- High quality stump marks extending into duff layer on all trees.
- Dots will be painted on the 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.

Unless otherwise specified, the tally sheets used must be those provided by the Forest Resources Division Management Unit.

RESTRICTIONS

1. Forest Resources 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: Scott Kentner 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.