



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 8/1/06	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable) 1 (See Map)	Sale Name (or prescription name) C.50 Eastern Hardwoods

## LOCAL CONTACT

Name Ed Rice	Telephone (906) 293 - 3293
Email Address riceed@michigan.gov	FAX Number (906) 293 - 8530

Map of Project Area Attached

## LEGAL DESCRIPTION

T48N R8W Section(s) 29,32 Description

Year of Entry: 2007 Compartment(s):50 Stand Number(s): 11, 39,40,45

## THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 330 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
11	M6	238	150	selection	northern hardwoods
39	M6	20	140	selection	northern hardwoods
40	M6	22	140	selection	northern hardwoods
45	M6	50	130	selection	northern hardwoods

## PRESCRIPTION

- Cut tree marking, residual BA approx. 80 sq.ft/ac. Manage for the best (crop) tree in place.
- Do not mark hemlock, pine or y. birch. Leave components of beech and spruce where applicable.
- Remove merchantable aspen in Stand 11. Remove merchantable fir in all stands.
- Leave obvious den or nest trees, and favor cull trees for wildlife (esp. along edges).
- If hawk nests are discovered within the stand while marking, contact the Newberry Office.
- Mark stand to improve maneuverability within the stand for logging operations to occur.
- Abide by all applicable BMPs
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**Access** from Newberry N. on M-123 to Camp 7 Rd., then S. on Camp 7 Rd for approx 3 1/4 mi. Sale area is on the east side of the road.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Sale area boundary lines (red paint)	03/30/2006
pre-work conference before field work begins	

**CONTRACT WORK CAN BEGIN**  
 Immediately  Date:  
**CONTRACT WORK MUST BE COMPLETED BY** Date 08/15/2007

**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 type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input 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**

Green payment unit lines to be placed near to the approximate locations in stand 11 shown on the attached map.

**Standards for marking lines against private land**

**AREA CALCULATION**

This is included in the bid     This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input 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:**

**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 11	2.4	4 X 6
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>	99	

**Cruise Special Instructions:**

All species to be cruised to a 4" top. W.birch to be separated from mixed hardwood. Exact plot center marked by placing a stick in the ground, flagged with ribbon marked w/corresponding plot number. Items will be discussed at pre-sale 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 Residual BA (Basal Area):** 80 (Minimum 60 to Maximum 90)

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre	0	
Girdled Trees Per Acre	0	

  

PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" and 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 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
individual hardwood sawlog species	1 : 1
mixed hardwood pulpwood	1 : 20 in stands 39, 40 and 45
balsam fir/spruce	1 : 10 in stands 39, 40 and 45
	1 :

**SPECIES TO FAVOR**

Maintain stand diversity by leaving hemlock, w.pine, y.birch, and components of beech and spruce.

**SPECIES TO FAVOR**

Good pole-sized maple

**SPECIAL MARKING INSTRUCTIONS**

Tally w.birch separate from mixed hardwood and separate mixed hardwood sawlog species. Do not tally spruce as sawlogs. Tally all merchantable fir (no need to mark). 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. 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 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                    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.



## TIMBER SALE PRESCRIPTION

GENERAL					
Date 8/1/06			Forest, Mineral and Fire Management Unit Newberry		
Timber Sale Number (if applicable) 2 (See Map)			Sale Name (or prescription name) Linton/ Baird Patches		
LOCAL CONTACT					
Name Ed Rice			Telephone (906) 293 - 3293		
Email Address riceed@michigan.gov			FAX Number (906) 293 - 8530		
<input checked="" type="checkbox"/> <b>Map of Project Area Attached</b>					
LEGAL DESCRIPTION					
T48N R8W Section(s) 29,30,31 Description NWNW sec.29, SE1/4 sec.30, NE1/4 sec.31					
Year of Entry: 2007    Compartment(s):50    Stand Number(s): 6,17,20,23					
THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE					
Estimated Acres: 154    Source: <input type="checkbox"/> OI <input checked="" type="checkbox"/> GPS <input type="checkbox"/> Other _____					
<b>Payment will be made on the basis of these estimated acres.</b>					
TREATMENT & OBJECTIVE					
STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
6	M6	9	140	selection	northern hardwoods
17	M6	47	140	selection	northern hardwoods
20	M6	25	150	selection	northern hardwoods
23	M6	73	150	selection	northern hardwoods
PRESCRIPTION					
12. Cut tree marking, residual BA approx. 80 sq.ft/ac. Manage for the best (crop) tree in place					
13. Do not mark hemlock, pine or y. birch. Leave components of beech and spruce where applicable					
14. Remove merchantable aspen in stand 20. Remove merchantable fir in all stands.					
15. Leave obvious den or nest trees, and favor cull trees for wildlife (esp. along edges).					
16. If hawk nests are discovered within the stand while marking, contact the Newberry Office.					
17. Mark stand to improve maneuverability within the stand for logging operations to occur.					
18. Abide by all applicable BMPs					
19.					
20.					
<b>Access</b> from Newberry N. on M-123 to Camp 7 Rd., then S. on Camp 7 Rd for approx 3 1/4 mi. Turn west on two track road for approx. 1/4 mile to the sale area (see map).					
DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK				ESTIMATED DATE	
Sale area boundary lines (red paint)				03/30/2006	
pre-work conference before field work begins					
<b>CONTRACT WORK CAN BEGIN</b>					
<input checked="" type="checkbox"/> Immediately <input type="checkbox"/> Date:					
<b>CONTRACT WORK MUST BE COMPLETED BY</b> Date 08/15/2007					

**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 type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input type="checkbox"/>	<input 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**

**Standards for marking lines against private land**

**AREA CALCULATION**

This is included in the bid     This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input 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:**

**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
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

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

TREATMENT		NUMBER	SIZE
Regeneration Gaps Per Acre		0	
Girdled Trees Per Acre		0	
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" and 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 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
individual hardwood sawlog species	1 : 1
mixed hardwood pulpwood	1 : 20
balsam fir/spruce	1 : 10
aspen	1 : 10

**SPECIES TO FAVOR**

Maintain stand diversity by leaving hemlock, w.pine, y.birch, and components of beech and spruce.

**SPECIES TO FAVOR**

Good pole-sized maple

**SPECIAL MARKING INSTRUCTIONS**

Separate all hardwood sawlog species. Separate any w. birch from mixed hardwood. Do not tally spruce as sawlogs. Tally all merchantable fir in all stands (no need to mark). 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. 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**

4. Forest, Mineral and Fire Management Division must to be able to identify who did what on the timber sale.
5. The contractor may not have more than two markers in one payment unit without prior approval.
6. Each marker should have an assigned area to mark (not strips).

**PAINT**

5. Call                    at (906) 293 - 3293 , to make arrangements for paint.
6. Paint will be supplied from (location).
7. Contractor's work schedule must coincide with the DNR work schedule for paint supply.
8. The DNR will not be available on weekends or evenings.

**DELIVERABLES**

5. A list of names that marked or cruised each payment unit.
6. A summary of paint used (in quarts).
7. Tally summaries for each payment unit (one summary, regardless of the number of markers) and all of the original tally sheets.
8. GPS files for any GPS work.



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 8/1/06	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable) 3 (See Map)	Sale Name (or prescription name) C.50 Western Hardwoods

## LOCAL CONTACT

Name Ed Rice	Telephone (906) 293 - 3293
Email Address riceed@michigan.gov	FAX Number (906) 293 - 8530

Map of Project Area Attached

## LEGAL DESCRIPTION

T48N R8W Section(s) 30,31 Description SW1/4 sec.30, W1/2, SE1/4 sec. 31

Year of Entry: 2007 Compartment(s):50 Stand Number(s): 17,26,32

## THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 239 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
17	M6	146	140	selection	northern hardwoods
26	M6	77	150	selection	northern hardwoods
32	M6	16	140	selection	northern hardwoods

## PRESCRIPTION

21. Cut tree marking, residual BA approx. 80 sq.ft/ac. Manage for the best (crop) tree in place
22. Do not mark hemlock, pine or y. birch. Leave components of beech and spruce where applicable
23. Remove all merchantable balsam fir.
24. Leave obvious den or nest trees, and favor cull trees for wildlife (esp. along edges).
25. If hawk nests are discovered within the stand while marking, contact the Newberry Office.
26. Mark stand to improve maneuverability within the stand for logging operations to occur.
27. Abide by all applicable BMPs
- 28.
- 29.

**Access** from Newberry N. on M-123 to Camp 7 Rd., then S. on Camp 7 Rd for approx 3 1/4 mi. Take two track road leading west for approx. 1 mi. to sale area.

DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK	ESTIMATED DATE
Sale area boundary lines (red paint)	03/30/2006
pre-work conference before field work begins	

## CONTRACT WORK CAN BEGIN

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date 08/15/2007

**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 type="checkbox"/>	<input type="checkbox"/> Blue	<input type="checkbox"/> Other:
Sale boundary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Red	<input type="checkbox"/> Other:
Sale cutting unit	<input type="checkbox"/>	<input type="checkbox"/>	<input 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**

**Standards for marking lines against private land**

**AREA CALCULATION**

This is included in the bid     This is not included in the bid

UNIT	METHOD	STANDARD
Sale	<input type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other	
Payment Unit	<input 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:**

**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
<b>TOTAL NUMBER OF CRUISE POINTS</b>		

**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):** 80 (Minimum 60 to Maximum 90)

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre	0	
Girdled Trees Per Acre	0	

PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB
Sawlogs	"X" and 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 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
individual hardwood sawlog species	1 : 1
mixed hardwood pulpwood	1 : 20
balsam fir/spruce	1 : 10
	1 :

**SPECIES TO FAVOR**

Maintain stand diversity by leaving hemlock, w.pine, y.birch and components of beech and spruce.

**SPECIES TO FAVOR**

Good pole-sized maple

**SPECIAL MARKING INSTRUCTIONS**

Separate all hardwood sawlog species. Separate white birch from mixed hardwood. Do not tally spruce as sawlogs. Do not mark balsam fir - tally only. 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. 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**

7. Forest, Mineral and Fire Management Division must to be able to identify who did what on the timber sale.
8. The contractor may not have more than two markers in one payment unit without prior approval.
9. Each marker should have an assigned area to mark (not strips).

**PAINT**

9. Call \_\_\_\_\_ at (906) 293 - 3293 , to make arrangements for paint.
10. Paint will be supplied from (location).
11. Contractor's work schedule must coincide with the DNR work schedule for paint supply.
12. The DNR will not be available on weekends or evenings.

**DELIVERABLES**

9. A list of names that marked or cruised each payment unit.
10. A summary of paint used (in quarts).
11. Tally summaries for each payment unit (one summary, regardless of the number of markers) and all of the original tally sheets.
12. GPS files for any GPS work.