



TIMBER SALE PRESCRIPTION

GENERAL	
Date 8/31/2011	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name)

LOCAL CONTACT	
Name Keith Magnusson	Telephone (906) 293 - 3293 x4745
Email Address magnussonk@michigan.gov	FAX (906) 293 - 8530

Map of Project Area Attached

LEGAL DESCRIPTION	
T49N R12W	Section(s) 9, 16 Description See Cover Type Map

Year of Entry: 2012 Compartment(s): 2 Stand Number(s): 6, 7, 10, 12

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 191 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
6	R6	14	140 -> 60	Shelterwood-Seed	Red Pine
7	R6	72	150 -> 70	Thinning	Red Pine
10	W9	91	130 -> 70	Shelterwood-Seed	White Pine
12	R6	14	180 -> 100	Thinning	Red Pine

PRESCRIPTION

1. Mark stands to enhance existing white/red pine regeneration as well as encouraging new growth.
2. Mark stands to improve maneuverability/operability for logging operations to occur.
3. Retain some den cavity trees if present.
4. Leave oak and hemlock in all stands.
5. In stand 10, leave a red maple/paper birch/spruce component.
6. In stand 6, buffer wetland edges w/timber sale boundary lines leaving a spruce component.
7. If stick nests are found leave a minimum 1 chain unmarked buffer around the nest tree.
8. Prescriptions will be talked about in more detail at the pre-work meeting.
- 9.
- 10.

Access Work area in in the far northwest corner of Luce County. Proceed north of Newberry on M-123 to County Road 407. Take 407 north past Muskallonge State Park and west to the Luce/Alger County Line.

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 09/01/2012

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

Exclusions to mark and why

Buffer the lowland edge along the north edge of stand 6.

Standards for marking lines against private land

N/A

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 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)
Stands 6, 7 and 12 (~100 acres)	.65	~4 X 4
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

Cruise Special Instructions:

Cruise out all jack pine, spruce, balsam fir, aspen, paper birch and red maple. Take a residual basal area of species that are not to be cut. 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 6: 60 (Minimum 50 to Maximum 70)
 Stand 7: 70 (Minimum 60 to Maximum 80)
 Stand 10: 70 (Minimum 60 to Maximum 80)
 Stand 12: 100 (Minimum 90 to Maximum 110)

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre		
Girdled Trees Per Acre		
PRODUCT	MARKING SYMBOL	MINIMUM DBH
Sawlogs	"X" and dots	12"
Sawbolts		
Pulpwood	slash	6"

TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAIN T 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
red/white pine sawlogs	1 : 1
red/white pine pulp	1 : 20
	1 :
	1 :

SPECIAL MARKING INSTRUCTIONS

In stand 10, some red maple, paper birch and spruce may need to be marked as leave trees to ensure a component of these species are left as residual. This will be discussed at the 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 Keith Magnusson at (906) 293 - 3293 x4745, 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.