



TIMBER SALE PRESCRIPTION

GENERAL

Date 8/13/08	Forest, Mineral and Fire Management Unit Newberry
Timber Sale Number (if applicable)	Sale Name (or prescription name) C31 Stands 29, 33, 58, 71

LOCAL CONTACT

Name Keith Magnusson	Telephone (906) 293 - 3293
Email Address magnussk@michigan.gov	FAX (906) 293 - 8530

Map of Project Area Attached

LEGAL DESCRIPTION

T49N R10W Section(s) 23, 26, 27 Description See attached OI Map

Year of Entry: 2009 Compartment(s):31 Stand Number(s): 29, 33, 58 & 71

THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE

Estimated Acres: 218 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
29	R9	3	100	Shelterwood-prep	Red Pine
33	W9	9	110	Shelterwood-prep	White Pine
58	W9	192	100	Shelterwood-prep	White Pine
71	W9	14	80	Shelterwood-prep	White Pine

PRESCRIPTION

1. Mark stands to enhance existing white/red pine regeneration as well as encouraging new growth.
2. Mark White and Red Pine to improve quality and growth of residual trees.
3. Leave some large/wolfy white pine present in stand.
4. Mark all cut trees with yellow paint.
5. Mark stands so that it is maneuverable/operable for logging operations to occur.
6. Mark only the paper birch and aspen that will present a maneuverability problem for logging.
7. Retain some den/cavity trees if present, or retain potential trees if they are not present.
8. Leave all oak within the stands.
9. If stick nests are found leave a minimum 1 chain unmarked buffer around the nest tree and contact the Newberry field office for additional requirements.

Access North of Newberry on M-123 to County Road 407. Take 407 north to Pine Stump Junction and turn on County Road 414. Travel County Road 414 for approximately 6 miles to the work area.

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 08/15/2009

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 type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other:

Exclusions to mark and why

None

Standards for marking lines against private land

None

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 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

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
		X
		X
		X
		X
TOTAL NUMBER OF CRUISE POINTS		

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 Merchantable Residual BA (Basal Area): 50 (Minimum 40 to Maximum 70)

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

TALLY INTENSITIES	
SPECIES / PRODUCT	RATIO
red pine sawlogs	1 : 1
red pine pulp	1 : 20
paper birch and aspen (mark cut trees)	1 : 10
jack pine pulp (no need to mark trees)	1 : 10

SPECIAL MARKING INSTRUCTIONS

- Two sided marking on all marked trees.
- Tally all jack pine. The jack pine does not need to be marked, just tallied.
- Mark the paper birch and aspen to be cut. Mark these trees to improve operability within the sale.
- 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.
- No need to paint red boundary line along County Road 414, the road will serve as the boundary.
- If stick nests are found leave a minimum 1 chain unmarked buffer around the nest tree. Contact the Newberry field office for any additional requirements.

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, 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.