



# TIMBER SALE PRESCRIPTION

## GENERAL

|  |  |
|--|--|
| Date<br>8/1/2006                                   | Forest, Mineral and Fire Management Unit<br>Baraga |
| Timber Sale Number (if applicable)<br>11-019-07-01 | Sale Name (or prescription name)<br>Kidney Hdwd    |

## LOCAL CONTACT

|  |                                |
|--|--------------------------------|
| Name<br>Jason Mittlestat               | Telephone<br>(906) 353 - 6651  |
| Email Address<br>mittlesj@michigan.gov | FAX Number<br>(906) 353 - 7464 |

Map of Project Area Attached

## LEGAL DESCRIPTION

T51N R 39W, 40W Section(s) 39W: Sec 30, 40W: Sec 24, 25 Description See Map

Year of Entry: 2007 Compartment(s): 70 Stand Number(s): 10, 12, 13, 17, 18

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

Estimated Acres: 170 Source:  XOI  GPS  Other

Payment will be made on the basis of these estimated acres.

## TREATMENT & OBJECTIVE

| STAND # | COVER TYPE | ACRES | BA  | TREATMENT | MANAGEMENT OBJECTIVE |
|---------|------------|-------|-----|-----------|----------------------|
| 10      | M6         | 59    | 120 | Selection | Northern Hdwd        |
| 12      | M6         | 15    | 120 | Selection | Northern Hdwd        |
| 13      | M6         | 12    | 120 | Selection | Northern Hdwd        |
| 17      | M9         | 9     | 150 | Selection | Northern Hdwd        |
| 18      | M6         | 75    | 120 | Selection | Northern Hdwd        |
|         |            |       |     |           |                      |
|         |            |       |     |           |                      |

## PRESCRIPTION

1. Mark trees to be cut. Favor the best future crop tree in place, regardless of species.
  2. Mark payment unit lines in yellow. Stand #18 will be 2 payment units, stand 10 will be 2 units.
  3. Leave active den and nest trees. Favor oak, hemlock, and pine.
  4. The objective is to grow N. Hdwd to a 22" DBH.
  5. Retain all hemlock and pine unless removal is needed for operability.
  6. Release oak on three sides to a residual BA of 60 sq ft.
  7. Where there is more than 30 sq ft of hemlock mark down to 100 sq ft.
  8. GPS all roads within the sale area. GPS corners.
  9. Label sale name and unit numbers at all unit & road intersections
  10. Label units when unit line is adjacent to roads. Labeling is to be done in red aerosol paint.
- Access** Successful bidder is responsible for obtaining permission to cross any private lands.

| DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK | ESTIMATED DATE |
|--|----------------|
| Survey   | 11-01-06       |
|  |                |
|  |                |

## CONTRACT WORK CAN BEGIN

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date Lines by: 6-01-07 Marking by 8-31-07

**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: See **   |
| Sale boundary     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> Red <input type="checkbox"/> Other: See **    |
| Sale cutting unit | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> Yellow <input type="checkbox"/> Other: See ** |
| Stand type line   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> Other:   |

**Exclusions to mark and why**

**Standards for marking lines against private land**

All lines must be flagged w/ pink ribbon, and painted so as to be visible from all vantage points along the line. GPS can be used to approximate line placement, but the final line must essentially be straight, and extend corner to corner.

**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 |          |
| Payment Unit | <input checked="" 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:**

Provide corrected GPS files compatible with Pathfinder software.

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

| TREATMENT                  |                         | NUMBER      | SIZE    |
|----------------------------|-------------------------|-------------|---------|
| Regeneration Gaps Per Acre |                         | n/a         |         |
| Girdled Trees Per Acre     |                         | n/a         |         |
| PRODUCT                    | MARKING SYMBOL          | MINIMUM DBH | TOP DIB |
| Sawlogs                    | slash on 2 sides w/dots | 10"         | 8"      |
| Sawbolts                   |                         |             |         |
| Pulpwood                   | slash on 2 sides. see * | 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<br><input type="checkbox"/> Other             |
| Trees marked to cut   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> Orange<br><input type="checkbox"/> Other |

**TALLY INTENSITIES**

| SPECIES / PRODUCT   | RATIO  |
|---------------------|--------|
| Hardwood pulp       | 1 : 20 |
| Softwood pulp       | 1 : 10 |
| Aspen (all as pulp) | 1 : 10 |
| Sawlogs             | 1 : 1  |

**SPECIES TO FAVOR**

Oak, Hemlock, White Pine, Cedar

**SPECIES TO FAVOR**

**SPECIAL MARKING INSTRUCTIONS**

Put upper marks on two opposite sides of trees 6' up. The contractor must furnish the DNR with plot data showing residual BA/Ac for payment units to be checked (Self Admin). This is due before The DNR checks the marking. The contractor is responsible for checking all workers on the sale. Final marking details are to be discussed at a prework conference.

\* Every tally pulpwood tree should have a slash for every tallied 8' stick.

\*\* Line marks must be atleast 6' high, be flagged w/pink ribbon, and painted so as to be visible from all vantage points along the line.

**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 Jason Mittlestat at (906) 353 - 6651, to make arrangements for paint.
2. Paint will be supplied from Baraga OSC.
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.
5. 30% of bid amount will be paid upon line work completion and approval.