



## TIMBER SALE PRESCRIPTION

### GENERAL

|                                    |  |
|------------------------------------|--|
| Date<br>4/14/2008                  | Forest, Mineral and Fire Management Unit<br>GRMUN (Indian River) |
| Timber Sale Number (if applicable) | Sale Name (or prescription name)<br>Comp 124 Contract            |

### LOCAL CONTACT

|                                      |   |
|--------------------------------------|---|
| Name<br>Shannon Harig                | Telephone<br>(231) 238 - 9313 ext. 4742 |
| Email Address<br>Harigs@Michigan.gov | FAX<br>(231) 238 - 6757                 |

**Map of Project Area Attached**

### LEGAL DESCRIPTION

T35N R04W Section(s) 6,8 Description Sec. 6: NWNE, SWNW, SW1/4 Sec. 8: N1/2SE

Year of Entry: 2008    Compartment(s):124    Stand Number(s): 2, 3, 8, 19

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

Estimated Acres: 148    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 |
|---------|------------|-------|-----|-----------|----------------------|
| 2       | M9         | 24    | 120 | Selection | Northern Hardwoods   |
| 3       | M9         | 76    | 150 | Selection | Northern Hardwoods   |
| 8       | M9         | 18    | 130 | Selection | Northern Hardwoods   |
| 19      | M6         | 30    | 190 | Selection | Northern Hardwoods   |
|         |            |       |     |           |                      |
|         |            |       |     |           |                      |

### PRESCRIPTION

1. Reduce BA to 80 sq. ft. using single tree selection/crop tree release marking techniques.
2. Retain 2-3 12"+ DBH trees/acre of declining vigor(cull) to serve as future den trees.
3. When possible, release pockets of advanced hardwood regen by creating overhead canopy gaps.
4. Avoid marking under-represented species(cherry, elm, birch, etc.) to serve as retention.
5. Where oak exists, mark to promote oak regeneration.
- 6.
- 7.
- 8.
- 9.
- 10.

**Access**

| DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK | ESTIMATED DATE |
|--|----------------|
| Private boundaries                                     | 05/19/2008     |
|  |                |

**CONTRACT WORK CAN BEGIN**  
 Immediately     Date: 05/19/2008  
**CONTRACT WORK MUST BE COMPLETED BY**    Date 12/15/2008

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

Must provide administrator with shapefile and acreage of sale area and cutting units.

**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 3                              | 1 point/1.2 Acres        | 3 X 4            |
| Stands 2,8,19                        | 1 point/1 acre           | 3 X 3            |
|                                      |                          | X                |
|                                      |                          | X                |
| <b>TOTAL NUMBER OF CRUISE POINTS</b> |                          |                  |

**Cruise Special Instructions:**

Only pulpwood will be cruised, sawlogs (except aspen) are 100% tallied. White Ash, Basswood, aspen and oak pulp must be cruised separately. All other hardwood species can be combined as mixed hardwood pulp. Aspen sawlogs will be cruised concurrently with pulp cruise.

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

| TREATMENT                  | NUMBER                  | SIZE              |            |
|----------------------------|-------------------------|-------------------|------------|
| Regeneration Gaps Per Acre | 1 per acre              | 30' crown opening |            |
| Girdled Trees Per Acre     | 1-2                     | 12"+              |            |
| PRODUCT                    | MARKING SYMBOL          | MINIMUM DBH       | TOP DIB    |
| Sawlogs                    | 2 orange slashes w/dots | 12 inches         | 10 inches  |
| Sawbolts                   | N.A.                    | N.A.              | N.A.       |
| Pulpwood                   | orange slash            | 4.6 inches        | 4.0 inches |

| TYPE OF WORK          | WORK TO BE DONE                     | NOT APPLICABLE                      | PAINT COLOR  |
|-----------------------|-------------------------------------|-------------------------------------|--|
| Trees marked to leave | <input type="checkbox"/>            | <input checked="" 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 |
|-------------------|-------|
|                   | 1 : 1 |
|                   | 1 :   |
|                   | 1 :   |
|                   | 1 :   |

**SPECIAL MARKING INSTRUCTIONS**

Individual stems within multiple stemmed clumps must either all be marked for removal or must all be left unmarked. Do not mark trees within 5' of the snowmobile trail. Do not mark elm, ironwood or juneberry. Mark girdle trees with an orange "X" on both sides of tree. In stand 8, all aspen will be harvested (do not mark) EXCEPT: mark (with green paint) 4 to 8 aspen of declining vigor per acre (if possible) for retention. In stand 19, when possible, create 60' to 80' canopy gap around residual or harvested oak to promote regeneration.

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 Shannon Harig at (231) 238 - 9313 ext. 4742, to make arrangements for paint.
2. Paint will be supplied from **Indian River 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.