



TIMBER SALE PRESCRIPTION

| GENERAL | | | | | |
|---|------------|-------|---|-----------------------|-----------------------|
| Date 2/3/2009 | | | Forest, Mineral and Fire Management Unit Gladwin Management Unit | | |
| Timber Sale Number (if applicable) 73-004-09-01 | | | Sale Name (or prescription name) East Center Fire Line | | |
| LOCAL CONTACT | | | | | |
| Name Mike Hanley | | | Telephone (517) 243-2028 | | |
| Email Address hanleym@michigan.gov | | | FAX (989) 426-1454 | | |
| <input checked="" type="checkbox"/> Map of Project Area Attached | | | | | |
| LEGAL DESCRIPTION | | | | | |
| E½,NW¼ & SW¼ & SW¼,NE¼ Sec 25 and NW ¼ Sec 36 of T19N R02E | | | | | |
| Year of Entry: 2009 Compartment(s): 62 Stand Number(s): 26,31,33,34,37,39,43 & 44 | | | | | |
| THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE | | | | | |
| Estimated Acres: 126 Source: <input checked="" type="checkbox"/> OI <input type="checkbox"/> GPS <input type="checkbox"/> Other _____ | | | | | |
| Payment will be made on the basis of these estimated acres. | | | | | |
| TREATMENT & OBJECTIVE | | | | | |
| STAND # | COVER TYPE | ACRES | BA | TREATMENT | MANAGEMENT OBJECTIVE |
| 26 | O9 | 35 | 70 | Shelterwood/Seed Tree | Oak |
| 31 | O9 | 28 | 80 | Shelterwood/Seed Tree | Oak |
| 33 | O6 | 14 | 100 | Shelterwood/Seed Tree | Oak |
| 34 | O8 | 8 | 50 | Final Harvest | Oak |
| 37 | O8 | 7 | 60 | Final Harvest | Oak |
| 39 | O8 | 14 | 50 | Final Harvest | Oak |
| 43 | O9 | 13 | 80 | Shelterwood/Seed Tree | Oak |
| 44 | J6 | 7 | 70 | Final Harvest | Jack Pine |
| PRESCRIPTION | | | | | |
| <ul style="list-style-type: none"> Stand 26: Mark to leave 20 BA/AC with green paint. Remove overmature Aspen. Favor the retention of Oak. Stand 31: Mark to leave 30 BA/AC with green paint. Favor the retention of predominantly Oak. However, when marking the stand retain a mix of other species as well. Stand 33: Mark to leave 20 BA/AC with green paint. Favor the retention of Oak. Stand 34: Mark to leave with green paint 1 to 2 Oak sawlog trees per acre. Stand 37: Mark to leave 1 to 2 Oak sawlog trees per acre. Stand 39: Mark to leave with green paint 1 to 2 Oak sawlog trees per acre. Stand 43: Mark to leave 30 BA/AC with green paint. Favor the retention of predominantly Oak but also White Pine and Red Pine. Stand 44: Mark to leave with green paint according to retention guidelines. | | | | | |
| DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK | | | | | ESTIMATED DATE |
| None | | | | | |
| CONTRACT WORK CAN BEGIN | | | | | |
| <input checked="" type="checkbox"/> Immediately <input type="checkbox"/> Date: | | | | | |
| CONTRACT WORK MUST BE COMPLETED BY Date 07/31/2009 | | | | | |

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 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 checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> Red | <input type="checkbox"/> Other: |

Exclusions to mark and why

Standards for marking lines against private land No private land boundaries exist within the sale area.

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 | PDOP ≤ 7 |
| Payment Unit | <input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other | PDOP ≤ 7 |
| Stand | <input checked="" type="checkbox"/> GPS <input type="checkbox"/> String Chain <input type="checkbox"/> Other | PDOP ≤ 7 |

Special Instructions:

Contractor must GPS all stands and/or payment units separately. Contractor must also provide a GPS file and hard copy of each stand. See map for location and color of lines to be GPS'd.

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 N/A

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

Cruise Special Instructions: DNR to cruise all stands.

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): Varies by stand. See prescription section.

- **Stand 26:** 20 (Minimum 10 to Maximum 30)
- **Stand 31:** 30 (Minimum 20 to Maximum 40)
- **Stand 33:** 20 (Minimum 10 to Maximum 30)
- **Stand 43:** 30 (Minimum 20 to Maximum 40)

| TREATMENT | | NUMBER | SIZE |
|----------------------------|------------------------------|--------------------|-------------------|
| Regeneration Gaps Per Acre | | | |
| Girdled Trees Per Acre | | | |
| PRODUCT | MARKING SYMBOL | MINIMUM DBH | TOP DIB |
| Sawlogs | Slash visible from all sides | 10" Diameter Class | 8" Diameter Class |
| Sawbolts | | | |
| Pulpwood | Slash visible from all sides | 5" Diameter Class | 4" Diameter Class |

| TYPE OF WORK | WORK TO BE DONE | NOT APPLICABLE | PAINT 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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Orange <input type="checkbox"/> Other |

| TALLY INTENSITIES | |
|-------------------|-------|
| SPECIES / PRODUCT | RATIO |
| N/A | 1 : |
| | 1 : |
| | 1 : |
| | 1 : |

SPECIAL MARKING INSTRUCTIONS

For all stands Michigan DNR retention guidelines must be followed. See individual stand prescriptions for retention details. Contractor must GPS leave islands. Implementation of the retention guidelines will be discussed on a stand by stand basis 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 Mike Hanley at (517) 243 - 2028, to make arrangements for paint.
2. Paint will be supplied from Gladwin 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.