

Timber Marking Prescription Template General

Date: 08/09/2002

Forest Management Unit: Traverse City

Timber Sale Number Sale Name Lime Lake Hardwoods

Local Contact: Craig Allen Tx (231) 922-5280 FAX : (231) 922-1853 email:

Allencr@michigan.gov

Map of Project Area Attached

Legal Description:

T27N R14W Section(s) 1, 12 Description SW of 1, all 1/4's of 12

Year of Entry: 2003 Compartment(s):4 Stand Number(s): 39, 49, 52, 55, 60, 147

This timber sale preparation contract is based on the following acreage:

Estimated Acres: 283 source OI GPS Other

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

Treatment & Objectives:

| Stand nbr | Cover Type | Acres | BA / Acre | Treatment | Management Objective |
|-----------|------------|-------|-----------|-------------|----------------------|
| 39 | M6 | 56 | 170 | Shelterwood | N. hardwoods w/aspen |
| 49 | M9 | 99 | 120 | Selection | N. hardwoods |
| 52 | M9 | 52 | 120 | Selection | N. hardwoods |
| 55 | M9 | 17 | 110 | Selection | N. hardwoods |
| 60 | M6 | 21 | 170 | Selection | N. hardwoods |
| 147 | M9 | 38 | 120 | Selection | N. hardwoods |
| | | | | | |
| | | | | | |

Prescription:

1. Unit 1, 3, 4, 5 : Select mark to residual BA of 80-90. Follow "Compleat Marker" guidelines. Manage for best tree in place regardless of species. Leave some wildlife trees (den, nest, snag) approximately 1-2 per acre. More details at pre-work meeting.

2. Unit 2: shelterwood cut-- residual BA 50-80. Aspen will be cut by sale spec.(i.e. aspen will not need individual marking). All other marking specs for this unit will be discussed at the pre-work meeting.

3. Leave all conifers in all units.

4. note: unit 1= st.39, unit 2= st.49, unit 3= st.55, unit 4= st. 52, unit 5= st. 60+147.

Access: see map for roads and trails and access will be discussed at pre-work meeting.

DNR preparation work to be done prior to contract work:

Estimated date:

| | |
|--|---------|
| DNR will locate and mark location of private land corners. | 11/1/02 |
| | |
| | |

Contract work can begin:

Immediately

Date:

Contract work must be completed by: Date 7/15/03

Paint Line Work

- This is bid item
 This is not a bid item

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 | Other: |
| Sale boundary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> Red | Other: |
| Sale cutting unit | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> Yellow | Other: |
| Stand type line | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other: |
| Trees marked to leave | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> Green | Other: |
| Trees marked to cut | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> Orange | Other: |

Exclusions to mark and why: No exclusions

Standards for marking lines against private land: Follow Statewide guidelines and training.

Corners will be located and marked by DNR staff.

Area calculation:

| Unit | Method | Standard |
|--------------|----------------|------------|
| Sale | Traverse / GPS | 2-5 meters |
| Payment unit | Traverse / GPS | 2-5 meters |
| Stand | Traverse / GPS | 2-5 meters |

Special Instruction: Stands are delineated into units as specified on attached map. Unit acreage must be traversed and can (but not mandatory) use GPS.

(i.e. stand 49= unit 1, stand39= unit 2, stand 55= unit 3, stand 52= unit 4, stands 60+147= unit 5)

Timber Cruising Specifications

- This is a bid item
 This is not a bid item
 Required Basal Area Factor: 10 20 Other:

Cruise Line Direction: To be determined by Contractor and in agreement with DNR staff.

| Cruising Units | Number of plots per acre | Spacing (chains) |
|-------------------------------|--------------------------|------------------|
| | | X |
| | | X |
| | | X |
| | | X |
| | | X |
| Total Number of Cruise Points | See below | |

Cruise Special Instructions:

Follow the rule by Beers and Miller for # of points per acre for each stand. Cruise both sawlog and pulp, listing all species separately.

Unless otherwise specified, the tally sheets use must be those supplied by the Management Unit.

Timber Marking Specifications

- This a bid item
- This is not a bid item
- Precise specifications to be delineated at pre-work meeting with DNR staff.

Total Residual BA (Basal Area): [Minimum to Maximum]

| Treatment | Number | Size |
|----------------------------|--------|------|
| Regeneration gaps per acre | n/a | |
| Girdled Trees per acre | n/a | |
| | | |

| | Marking symbol | Minimum DBH | Top DIB |
|----------|------------------------|-------------|---------|
| Sawlogs | slash both sides | 10 | 8 |
| Sawbolts | | | |
| Pulpwood | slash or dot both side | 4 | |

Tally intensities

Species / product

Ratio:

| | |
|--|-----|
| | 1 : |
| | 1 : |
| | 1 : |
| | 1 : |

Species to favor: n/a

Species to reduce: n/a

Special Marking Instructions

To be discussed at pre-work meeting. Will follow most Statewide marking training and guidelines. Unless otherwise specified, the tally sheets used must be those provided by the Management Unit.

Restrictions: We wish to be able to identify who did what on our sales. You may not have more than two markers in one payment unit without approval. Each marker should have an assigned area to mark (not strips).

Paint: Call Craig Allen to make all paint arrangements. Paint will be supplied from (location) Traverse City field office. Contractors work schedule must coincide with the DNR work schedule for paint supply. The DNR will not deliver paint on weekends or evenings.

Deliverables:

1. A list of who marked (cruised) each payment unit (names)
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 done.

"LIME LAKE HARDWOODS" SALE (4 units, approx. 283 acres)

BENZIE County T27N-R14W sec 1, 12
T27N-R13W sec. 6, 7

RED Boundary Line
Blue (private) Boundary Line

SCALE in miles

