

## Timber Marking Prescription Compartment 91

Date: 8/9/2002

Forest Management Unit: Crystal Falls

Timber Sale Number 120040301 Sale Name

Local Contact: Otto Jacob Tx (906) 563-9247 FAX : (906) 563-5802

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Map of Project Area Attached

Legal Description:

T40N R28W Section(s) 4,8,16, 17 Description: See attached map.

Year of Entry: 2003 Compartment(s): 91 Stand Number(s): 52,61,78,92, 14 & 15

**This timber sale preparation contract is based on the following acreage: 155**

Estimated Acres: source  OI 118 ac(Stands 52, 61, 78, 92)  GPS 37ac(Stands 14 & 15)

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

Treatment & Objectives:

| Stand # | Cover Type | Acres | BA / Acre | Treatment    | Management Objective |
|---------|------------|-------|-----------|--------------|----------------------|
| 14      | M6         | 11    | 100       | Group Select | M                    |
| 15      | M6         | 26    | 120       | Thin         | M                    |
| 52      | M6         | 13    | 110       | Thin         | M                    |
| 78      | M6         | 16    | 130       | Thin         | M                    |
| 61      | M6         | 57    | 110       | Thin         | M                    |
| 92      | M6         | 32    | 120       | Thin         | M                    |

Prescription:

General Guidelines for Timber Sales (CFMU-2003):

Hardwood Stands: When marking hardwood stands, tree species and size diversity will be encouraged. Unless otherwise noted, hemlock, cedar, and oak will not be cut. Cherry will be maintained and promoted, where possible. Conifer components, whether single tree or inclusions within the stands, should not be discriminated against and should be expanded, where practical. Other light seeded species (i.e. yellow birch) should be encouraged, particularly along stand borders or transitions to wetter sites. Basal area will be maintained at or near 80 sq. ft. unless the prescription calls for a different treatment. Snag trees should not be discriminated against and should be left unless they present a hazard. Den and nest trees should be left. Cutting units shall be 30 acres or less.

Stand #14: Stand 14 is on a hill with high variability in site. Working with these variable sites, which are likely caused by subsurface rock, the areas that are less suited to the maple growth shall be marked to create 50-70 foot diameter holes in the canopy. Stand 14 should have 5-7 holes. Within these holes, all trees, except oak and cherry, shall be marked. Trees under one inch diameter at 4.5 ft. from the ground need not be marked.

Stand #15: Thin to 80 square feet B.A. except on the south side of this stand. Marking the salvage white birch may result in lower basal areas in spots.

Stand #52: Thin to 80 B.A.

Stand #61: Favor the oak on the south side of this stand. Do not mark white pine unless the tree is unlikely to live for another 10 years.

Stand #78: Thin to 80 B.A.

Stand #92: Thin to 80 B.A.

Access:

DNR preparation work to be done prior to contract work:

Estimated date:

|  |           |
|--|-----------|
| Stands 14 & 15 lines painted & GPS w/map | Completed |
|  |           |
|  |           |

Contract work can begin:

- Immediately  
 Date: 08/20/2002

**Contract work must be completed by:** Date **8/15/2003**

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

Standards for marking lines against private land:

**Area calculation:**

| Unit         | Method | Standard |
|--------------|--------|----------|
| Sale         | GPS    |          |
| Payment unit |        |          |
| Stand        |        |          |

Special Instruction: GPS file that we can use in ARCVIEW. Payment unit line locations shall be GPS'd.

## Timber Cruising Specifications

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

Cruise Line Direction:

| Cruising Units                       | Number of plots per acre | Spacing (chains) |
|--------------------------------------|--------------------------|------------------|
|                                      | 1                        | 2 X 5            |
|                                      |                          | X                |
|                                      |                          | X                |
|                                      |                          | X                |
| <b>Total Number of Cruise Points</b> | Approx. 155              |                  |

Cruise Special Instructions:

Pulpwood species tally will be **Mixed Hardwood, Basswood, Paper Birch, and Aspen.**

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): See stand prescriptions

| Treatment                  | Number | Size |
|----------------------------|--------|------|
| Regeneration gaps per acre |        |      |
| Girdled Trees per acre     |        |      |
|                            |        |      |

|          | Marking symbol | Minimum DBH | Top DIB |
|----------|----------------|-------------|---------|
| Sawlogs  | Slash/Dot      | 12"         | 10"     |
| Sawbolts |                |             |         |
| Pulpwood | Slash          | 5"          | 4"      |

Tally intensities

Species / product

Ratio:

|  |              |
|--|--------------|
| <b>All sawlog species individually</b> | <b>1 : 1</b> |
|  | 1 :          |
|  | 1 :          |
|  | 1 :          |

Species to favor: Best tree in place. Leave representation of every species. See "Prescription"

Species to reduce:

Special Marking Instructions:

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 Otto Jacob to make all paint arrangements. Paint will be supplied from (location) Norway. 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.
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