



# TIMBER SALE PRESCRIPTION

## GENERAL

Date 9/19/2011	Forest, Mineral and Fire Management Unit Baraga
Timber Sale Number (if applicable) 11-023-12-01	Sale Name (or prescription name) <b>The Fault Mix</b>

## LOCAL CONTACT

Name Jason Mittlestat	Telephone (906) 353 - 6651
Email Address <b>mittlestatj@michigan.gov</b>	FAX Number (906) 353 - 7464

Map of Project Area Attached

## LEGAL DESCRIPTION

T48N R33W Section(s) 20, 21 Description: 12: SW1/4; S1/2NW; S1/2NE; SE1/4. Sec 21: NWSW

Year of Entry: 2012 Compartment(s): 15 Stand Number(s): 63, 68, 69, 70, 72, 73, 76, 79, 81, 82, 84

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

Estimated Acres: 178 Source: OI GPS X Other IFMAP

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

## TREATMENT & OBJECTIVE

STAND #	COVER TYPE	ACRES	BA	TREATMENT	MANAGEMENT OBJECTIVE
43	M6	16	110-140	Selection	Northern Hdwd
44	M6	7	110-140	Selection	Northern Hdwd
47	M6	54	110-140	Selection	Northern Hdwd
52	S6	4		Final Harvest	Black Spruce
59	F6	90		Final Harvest	Spruce / Fir
60	M6	7	110-140	Selection	Northern Hdwd

## PRESCRIPTION

1. Mark trees to be cut. Favor the best future crop tree in place, regardless of species.
2. 6 units on this sale.
3. Leave den and nest trees.
4. The objective is an all age stand structure with a max diameter of 22" for M6 stands.
5. Retain all hemlock, oak, cedar and pine unless removal is needed for operability.
6. Release oak on three sides to a residual BA of 60 sq ft.
7. GPS all roads within the sale area. GPS corners.
8. Label sale name and unit numbers at all unit & road intersections
9. Label units when unit line is adjacent to roads. Labeling is to be done in red aerosol paint.
10. Further guidance will be discussed at presale mtg.

**Access:** Celotex Road and Clear Lake Road.

## CONTRACT WORK CAN BEGIN

Immediately  Date:

**CONTRACT WORK MUST BE COMPLETED BY** Date Lines by March 1, 2012, Marking by July 31, 2012.

**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			Blue	<input type="checkbox"/> Other:
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"/> Red	<input type="checkbox"/> Other: See **
Stand type line	<input type="checkbox"/>	<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. At least one ribbon should be placed between each painted line tree.

**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 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 office software or ArcView. Payment unit lines that split stands on a straight line compass bearing, should have a GPS waypoint for each end.

**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**    3.8x3.8 chain grid

CRUISING UNITS	NUMBER OF PLOTS PER ACRE	SPACING (CHAINS)
Unit 5&6 (Stands 52 & 59)	.68	3.8 X 3.8
		X
		X
		X
<b>TOTAL NUMBER OF CRUISE POINTS</b>	64	

**Cruise Special Instructions:**

Cruise all species, products separate.

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

TREATMENT	NUMBER	SIZE
Regeneration Gaps Per Acre	n/a	
Girdled Trees Per Acre	n/a	
PRODUCT	MARKING SYMBOL	MINIMUM DBH
Sawlogs	slash on 2 sides w/dots	10"
Sawbolts		
Pulpwood	slash on 2 sides. see *	6"

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 <input type="checkbox"/> Other
Trees marked to cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Orange <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

\*\*\* Stands 43, 44, 47 & 60: Have target BA's of 80 sq ft. Unless areas of oak are found, then mark to release the oak on three sides to 60 sq ft BA.

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 must 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. At least one ribbon should be placed between each painted line tree.

**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 Jason Middlestat at (906) 353 - 6651, to make arrangements for paint.
2. Paint will be supplied from Baraga 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.
5. Marking and Linework will be separate line items and can be paid as they are completed and approved.