

TIMBER SALE PRESCRIPTION

				GEN	ERAL			
Date 9/17/2012				Forest, Mineral and Fire Management Unit Baraga				
11-020-13-01					Sale Name (or prescription name) Hornet Hills Hdwd			
				LOCAL (CONTACT			
Name Jason Mittles	stat			Telephone (906) 353 - 6651				
Email Address mittlestatj@mi	Email Address FAX Number (906) 353 - 7464							
⊠Map of Project Area Attached								
	LEGAL DESCRIPTION							
T52n R35w	Section(s) 28,	,29,33,34	Description:	29:SES	E; 28:S1/4; 33	3:N1/2, N1/2SE, N1/2SW; 34:NWSW		
Year of Entry: 2013 Compartment(s): 40 Stand Number(s): 7 THIS TIMBER SALE CONTRACT IS BASED ON THE FOLLOWING ACREAGE								
Estimated Acres	s: 461 Sour	rce: 🔲OI	□GPS	X Other	IFMAP			
Payment will be m	ade on the basis	of these e	stimated acres.					
	ASSESSANTE SES VARIOSES		TREA	TMENT	& OBJECTIVE			
STAND#	COVER TYPE	ACRES	BA		REATMENT	MANAGEMENT OBJECTIVE		
7	M9	461	110-140	Select	ion	Northern Hdwd		
1 1	49	401	110-140	361600	1011	NOT CHETH HOWG		
						W 10 M W 10 M 10 M 10 M 10 M 10 M 10 M 1		
			g et also af elseeth her he e la geld hage					
PRESCRIPTION 1. Mark trees to be cut. Favor the best future crop tree in place, regardless of species. 2. Approximately 12 units on this sale. Units should approximate 40's.								
3. Leave den and nest trees.								
4. The objective is an all age stand structure with a max diameter of 22" in hardwood 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. Where there is more than 30 sq ft of hemlock mark down to 100 sq ft.								
8. GPS all roads within the sale area. GPS corners.								
9. Label sale name and unit numbers at all unit & road intersections								
 Label units when unit line is adjacent to roads. Labeling is to be done in red aerosol paint. Further guidance will be discussed at presale mtg. 								
Access: Otter River Road the Alston Trail/ Lake Gerald Road. Existing roads in the sale are not passable by pickup truck.								
CONTRACT WORK CAN BEGIN								
X Immediately □Date:								
CONTRACT WORK MUST BE COMPLETED BY Date Lines by March 1, 2013, Marking by September 1, 2013.								

			PAINT LINE V	VORK				
☑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		X		X Blue	Other: See **			
Sale boundary		\boxtimes		⊠ Red	Other: See **			
Sale cutting unit				⊠ Red	Other: See **			
Stand type line					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. GPS can be used to approximate line placement, but the final line must essentially be straight, and extend corner to corner. GPS points are required every 5 chains along the blue lines.								
			AREA CALCUL	ATION				
⊠ This is included i	n the bid	☐ This is not	included in the	bid				
UNIT	METHO	DD			STANDARD			
Sale	⊠GPS	S	□Other					
Payment Unit	□GPS	S	Other					
Stand GPS String Chain Other Special Instructions: Provide corrected GPS files compatable 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	1 the bid	This is not inc	cluded in the b	id				
Required Basal Area	Factor:	□10 □20	Other:					
Cruise Line Directions								
CRUISII	NG UNITS		NUMBER OF PLO	TS PER ACRE	SPACING (CHAINS)			
					-			
TOTAL NUMBER		E POINTS						
Cruise Special Instructions:								
Unless otherwise specified, the tally sheets used must be those supplied by the Forest. Mineral and Fire Management Unit								

	TIMBER MARKING	G 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): <u>80</u> (Minimum <u>70</u> to Ma	ximum <u>90</u>)						
TRE	ATMENT	NUMBER	SIZE					
Regeneration Gaps Per A	cre	n/a						
Girdled Trees Per Acre		n/a						
PRODUCT	PRODUCT MARKING SYMBOL		TOP DIB					
Sawlogs	slash on 2 sides w/dots	10"	8"					
Sawbolts								
Pulpwood	slash on 2 sides. see *	6"	4 ¹¹					
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR					
Trees marked to leave	s marked to leave		☐Green ☐Other					
Trees marked to cut			⊠Orange □Other					
		TENSITIES	是人名 医克里氏氏征 医克里氏氏征 医克里氏征 医皮肤					
	S / 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

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.

This sale area contains extreme topography. Area A, Area B, and the Line Work are payables.

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).

<u>PAINT</u>

- 1. Call Jason Mittlestat 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. Two Marking areas and Linework will be separate line items and can be paid as they are completed and approved.