TIMBER SALE PRESCRIPTION

				GENERAL						
Date		and Fire Manag	ement Unit							
9/1/11				Newberry						
Timber Sale Number (if applicable) Sale Name (or prescription nar						ne)				
	LOCAL CONTACT									
Name										
Keith Magnus	sson			(906) 293 - 3	906) 293 – 3293 x4745					
Email Address			FAX	FAX						
magnussonk@n	magnussonk@michigan.gov (906) 293-8530									
⊠ Map of Project Area Attached										
	LEGAL DESCRIPTION									
T45N R10W	T45N R10W Section(s) 35 & 36 Description See Cover Type Map									
Year of Entry:	Year of Entry: 2012 Compartment(s):123 Stand Number(s): 33, 37, 40, 42, 43, 46 & 52									
	THIS	TIMBER S		ACT IS BASED ON THE	FOLLOWING	ACREAGE				
Estimated Acr	es: 206 Sou	rce: 🖂 O	GPS	Other						
	made on the basis									
				ATMENT & OBJECTIVE						
STAND #	COVER TYPE	ACRES	BA	TREATMENT		MANAGEMENT OBJECTIVE				
33	M6	8	120	Final Harvest	Planted 1	Planted Red Pine				
37	Мб	10	120	C/C w/reserves	Northern	Northern Hardwoods				
40	F6	4	100	C/C w/reserves	White Pir	White Pine				
42	R6	21	180	Row Thinning	Planted Red Pine					
43	Мб	8	120	C/C w/reserves	Northern	Northern Hardwoods				
46	м9	136	140	Selection	Northern	Northern Hardwoods				
52	A9	19	100	Final Harvest	Aspen					
1. Stands	12 & 16 need	to be m	arked for (PRESCRIPTION cutting. The type	of marking	varies in each				
				below for more det						
		-		-		ogging operations to occur.				
	3. Cruise stands 33, 37, 40, 43 and 52. (See timber cruising section for more detailed specs)									
 Stands 52 will need to have a retention area left within stand area (See paint line specs). If stick nests are found leave a minimum 1 chain unmarked buffer around the nest tree and 										
5. If stick nests are found leave a minimum I chain unmarked buffer around the nest tree and contact the Newberry field office for additional requirements.										
					•					
Access Work area is located just southeast of the Newberry. Work area can be accessed by vehicle via decent dirt roads and various two tracks. See attached maps.										
DNR PREPARATION WORK TO BE DONE PRIOR TO CONTRACT WORK						ESTIMATED DATE				
Survey corners near private land in Sec. 36 will be established.						10/01/2011				
CONTRACT W	ORK CAN BEGIN	N								
Immediately Date:										
CONTRACT WORK MUST BE COMPLETED BY Date 09/01/2012										
				1 of 3		D (000 (D 00/07/0000)				

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	Other:					
Sale boundary			Red	Other:					
Sale cutting unit			Yellow	Other: Green					
Stand type line				Other:					
Exclusions to mark and why									
In stand 52, a retention area will need to be designated and boundaries of this area painted. This retention areas should be approx. 5% of the total stand area. Incorporate some mature aspen,									
maple, spruce and fir	into the retentio	n area. This		ussed at the pre-work meeting.					
Standards for marking lin Must be within a minim			v line						
Must be within a minim	ium of it feet of	actual propert	y line.						
					-				
		AREA CALCUL	ATION						
This is included in the	e bid 🗌 This is no	ot included in the	e bid						
UNIT ME	ETHOD			STANDARD					
Sale	GPS 🗌 String Cha	ain 🗌 Other		2 meters					
Payment Unit] GPS 🔲 String Cha	ain 🗌 Other		2 meters					
Stand	GPS String Cha	ain 🗌 Other							
Contractor must supply their own GPS Units that are capable of downloading information to a computer.									
	TIMB	ER CRUISING SPI	ECIFICATIONS						
oxtimes This is included in the	bid 🗌 This is no	t included in the	e bid						
Demuined Decel Area Fee									
Required Basal Area Fac	tor: 🛛 10 🗌 20	O Other:							
Cruise Line Directions									
CRUISING L	JNITS	NUMBER OF PLO	DTS PER ACRE	SPACING (CHAINS)					
Stands 33, 37, 40, 43		1		~3 X 3					
				x					
				X					
				X					
TOTAL NUMBER OF C				A					
Cruise Special Instruction									
-Cruise stands by species and products per DNR stadards. Record only B.A. of trees being reserved. -In Stands 33, 37 and 43 cruise all beech present. All other species are being retained unless additional marking is needed to improve logging operability. -In Stands 40 and 52 cruise all aspen, maple, cherry, paper birch, spruce and balsam. Cruise aspen, cherry, spruce and balsam as pulpwood only, no need to determine sawlogs in these species. White pine may need to be marked in these stands as well to improve logging operability. -Exact plot center will be marked by placing a stick in the ground, flagged with ribbon marked with the corresponding plot number. -These items will be discussed at the pre-work meeting.									
Unless otherwise specified, the security of th	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): 80 (Minimum 70 to Maximum 90)										
TREA	TMENT	NUMBER	SIZE							
Regeneration Gaps Per Acr Girdled Trees Per Acre	e									
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB							
Sawlogs	"X" with dots	12"	10"							
Sawbolts										
Pulpwood	slash	б "	4 "							
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE								
Trees marked to leave			Green							
Trees marked to cut			⊠ Orange □ Other							
	TALLY IN	TENSITIES								
SPECIES	PRODUCT	RATIO								
Mixed species of sawlog	quality	1 : 1								
Mixed species of pulpwoo	d quality	1 : 20								
		1 :								
		1 :								
-Dots will be painted on -Mark all sawlog trees w -In Stand 46, maintain s cherry. Leave all hemloc -In stand 42, Third row certain areas. All spec operability/maneuverabil	<pre>l marked trees, including the pulp tally trees so ith an "X" with dots to c tand diversity by leaving k, cedar, spruce and whit thin the red pine. The r ies need to be marked wit</pre>	they can be checked. orrespond with the numbe some beech, yellow birc e pine. Leave the best ows may be difficult to hin selected rows. Mark	er of sawlogs tallied. ch, paper birch and black tree in place. distinguish and follow in a with logging							
-Above marking items wil	l be discussed at pre-wor	k 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 Keith Magnusson at (906) 293 3293 x4745, to make arrangements for paint.
- 2. Paint will be supplied from the Newberry 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.