

TIMBER SALE PRESCRIPTION

GENERAL									
Date					Forest, Mineral and Fire Management Unit				
10/18/2009				Gladwin Managemen	Gladwin Management Unit				
Timber Sale Numb	mber Sale Number (if applicable) Sale Name (or prescription nat				on name)				
73-004-10-01									
LOCAL CONTACT									
Name									
Mike Hanley Email Address				(517) 243-2028 FAX	517) 243-2028 FAX				
hanleym@michig	gan.gov			(989) 426-1454					
⊠ Map of Project Area Attached									
LEGAL DESCRIPTION									
N ½ Sec 34 of T20N R04W									
Year of Entry: 2010 Compartment(s): 3 Stand Number(s): 109, 112, 115, 130, 131, & 132									
	THIS	TIMBER S	ALE CONTRA	CT IS BASED ON THE FOLL	WING ACREAGE				
Estimated Acre	s: 119 Sour	ce: 🖂 OI	☐ GPS	Other					
Payment will be made on the basis of these estimated acres.									
				TMENT & OBJECTIVE					
STAND#	COVER TYPE	ACRES	ВА	TREATMENT	MANAGEMENT OBJECTIVE				
109	R6	22	200	Thinning	Red Pine				
112	M9	20	100	Selection	Northern Hardwoods				
115	M9	27	110	Selection	Northern Hardwoods				
130	R6	14	170	Thinning	Red Pine				
131	R9	8	190	Thinning	Red Pine				
132	M6	28	120	Selection	Northern Hardwoods				
				PRESCRIPTION					
 Stand 109, 130 & 131: Mark to cut Red Pine with orange paint, retaining 90 BA/AC. Retain all Hardwoods in stand. Stand 112, 115 & 132: a) Mark to cut with Orange paint retaining 70 BA/AC. b) Favor the best crop tree in place. Refer to the "Complete Marker" for instructions. c) Favor the removal of Red Maple, Aspen and trees with DBH greater than 20 inches. d) Mark stand to improve maneuverability within the stand for logging operations to occur. Access: Via North Clare Avenue, Forest Road and various state two tracks. 									
DNR PF	ESTIMATED DATE								
Stand 111 s	ale boundary wh	ich borders	s stands 112 &	115 will be painted by DNR sta	aff 4/1/10				
CONTRACT WORK CAN BEGIN									
	•								
CONTRACT WORK MUST BE COMPLETED BY Date 07/31/2010									

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	WORK TO BE DONE NOT APPLICABLE		PAINT COLOR				
Private boundary	П	□ □ Blue		Other:				
Sale boundary			⊠ Red	Other:				
Sale cutting unit	\boxtimes		⊠ Yellow	Other:				
Stand type line				Other:				
attached map for locations a DNR staff will paint stand 11	nd colors of lines to 1 boundary prior to	be marked. contractor.	ing units shall be	visible from all sides of the trees. See				
Standards for marking line	s against private l	and: N/A						
		ADEA CALOU	ATION					
	_	AREA CALCUL						
☐ This is included in the b	oid ∐ This is no	t included in the	e bid					
UNIT MET	HOD			STANDARD				
Sale 🖂 0	SPS String Cha	ain 🗌 Other		HDOP <u>≤</u> 3				
Payment Unit	SPS String Cha	in 🗌 Other		HDOP ≤ 3				
Special Instructions:	1/							
copy of each stand printed at a				ctor must also provide a GPS file and hard be GPS'd.				
		- ···						
	TIMB	ER CRUISING SP	ECIFICATIONS					
$oxed{oxed}$ This is included in the ${oxed{b}}$	id 🗌 This is no	t included in the	e bid					
Daniel Daniel Anna France	- Mag							
Required Basal Area Facto	r: 🛛 10 🔲 20	Other:						
Cruise Line Directions North-South or East-West								
CRUISING UN	ITS	NUMBER OF PLO	OTS PER ACRE	SPACING (CHAINS)				
Stands 109, 112, 115, 130, 131	1		Evenly Spaced					
TOTAL NUMBER OF CR	UISE POINTS	119 (appro	oximately)					

Cruise Special Instructions:

- Total number of cruise points is estimate, based on estimated acres. Actual number should be based on 1 plot per acre, for acreage determined by GPS.
- ALL CRUISE POINTS MUST SHOW RESIDUAL BA.
- Contractor MUST show plot locations for each stand on their GPS stand boundary map. Plot locations do NOT need to be GPS'd.
- Plot center locations must be marked on the ground and at eye level with brightly colored ribbon.
- Imagery and shapefile information for Solo as well as TCruise cruising template must be made available upon requrest.

It is preferred that contractor use DNR tally sheets. Contractor may use their own tally sheets, with approval by Gladwin Forest Management Unit.

Unless otherwise specified, the tally sheets used must be those supplied by the Forest, Mineral and Fire Management Unit.

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	TIMBER MARKING SPE	ECIFICATIONS			
$oxed{oxed}$ This is included in the bi	id	e bid			
□ Precise specifications to	be delineated at pre-work meeting	ng with DNR staff			
Total Merchantable Residua Stand 109, 130 & 131: $\frac{90}{70}$ (Min Stand 112, 115 & 132: $\frac{70}{70}$ (Min	imum 80 to Maximum 100)				
TR	EATMENT	NUMBER	SIZE		
Regeneration Gaps Per Acr Girdled Trees Per Acre	е				
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB		
Sawlogs	Slash visible from all sides	9.1" Diameter Class	8" Diameter Class		
Sawbolts					
Pulpwood	Slash visible from all sides	4.6" Diameter Class	4" Diameter Class		
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR		
Trees marked to leave			☐ Green ☐ Other		
Trees marked to cut			☑ Orange☑ Other		
	TALLY INTENS	SITIES			
	ES / PRODUCT	RATIO			
N/A		1 :			
		1:			
		1:			
SPECIAL MARKING INSTRU	JCTIONS				

See individual stand prescriptions for retention details. Contractor must GPS leave islands if applicable. Implementation of the retention guidelines will be discussed on a stand by stand basis at the pre work 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 Mike Hanley at (517) 243 2028, to make arrangements for paint.
- 2. Paint will be supplied from Gladwin 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.

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