

TIMBER SALE PRESCRIPTION

GENERAL									
Date				*	Forest, Mineral and Fire Management Unit				
11/03/2009				Atlanta					
Timber Sale Numb	er (if applicable)				Sale Name (or prescription name)				
N.A.	4								
Name			ı	LOCAL CONTACT Telephone					
Cody Stevens				'	(989) 785 – 4251 x5241				
Email Address				FAX					
stevencn@micl	nigan.gov			(989) 785 - 3	(989) 785 - 3513				
				1/2 2 2 / 2 2 2					
☑ Map of Project Area Attached									
			LE	GAL DESCRIPTION					
T30N R07E Section(s) 2 & 11 Description 2: SENW, E1/2SW, SE1/4 11: NENW, NE1/4									
Year of Entry: 2010 Compartment(s):88 Stand Number(s): 2, 4, 20, 24 & 28									
	THIS	TIMBER S	ALE CONTRA	CT IS BASED ON THE	FOLLOWING A	ACREAGE			
Estimated Acre	se: 175 Sour	ce: 🛛 OI	□gps	Other					
Payment will be n	nade on the basis	of these es							
				TMENT & OBJECTIVE					
STAND#	COVER TYPE	ACRES	ВА	TREATMENT	N	MANAGEMENT OBJECTIVE			
2	R9	68	130	Thinning	Red Pine				
4	R9	14	150	Thinning	Red Pine				
20	R9	48	150	Thinning	Red Pine				
24	R9	34	150	Thinning	Red Pine				
28	R9	11	120	Clear Cut	Red Pine				
				,					
				PRESCRIPTION					
 Stand 2: Red Pine, put in boundary and Unit Lines, determine area by GPS, mark to 80 BA, cruise volumes. Stands 4, 20 & 24: Red Pine, put in boundary and Unit Lines, determine area by GPS, mark to 									
100 BA, cruise volumes.									
3. Stand 28: Red Pine, put in boundary lines and 2 retention areas, determine area by GPS,									
cruise volumes.									
4. 5.									
6.									
7.									
8.									
Access This compartment is easily accessed by Indian Reserve Rd and two tracks off from the county									
road.									
DNR PF	REPARATION W	ORK TO E	BE DONE PRIC	OR TO CONTRACT WO	RK	ESTIMATED DATE			
NA									
CONTRACT WORK CAN BEGIN									
☑ Immediately ☐ Date:									
CONTRACT WO	CONTRACT WORK MUST BE COMPLETED BY Date 08/15/2010								

1 of 4 R4038 (Rev. 02/27/2008)

		PAINT LINE V	VORK				
☐ This is included in the b	oid	t included in the	e bid				
_	<u> </u>						
Paint line work to be perfo	rmed: (See attache	ed map for loca	tions)				
TYPE OF LINE	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR				
Private boundary			⊠ Blue		Other:		
Sale boundary			⊠ Red		Other:		
Sale cutting unit					Other:		
Stand type line					Other:		
Contractor will put in the contract and attache Standards for marking line See Contract Specificat:	ed appendix for o	detailed instr		area .	boundary lines. Refer to		
		AREA CALCUL	ATION				
	🗆 =						
☐ This is included in the b	old UThis is not	t included in the	e bid				
UNIT MET	HOD			ST	ANDARD		
Sale 🖂 C	☐ GPS ☐ String Chain ☐ Other						
Payment Unit 🖂 0	☐ GPS ☐ String Chain ☐ Other						
Stand GPS String Chain Other Special Instructions:							
☑ This is included in the b	id 🗌 This is not	ER CRUISING SP t included in the					
Cruise Line Directions Ea		NUMBER OF PLO	OTS PER ACRE		SPACING (CHAINS)		
Stand 2		0	i	3 2	× 4		
Stand 4, 20, 24 & 28		1.			X 3		
, ,		,			X		
		-			X		
TOTAL NUMBER OF CR	UISE POINTS	175					
Cruise Special Instructions Both sawlog and pulpwo attached appendix for de	ood volumes will		all units. R	efer t	o the contract and		
Unless otherwise specified, the	tally sheets used mu	st be those suppli	ed by the Forest, M	lineral ar	nd Fire Management Unit.		

2 of 4 R4038 (Rev. 02/27/2008)

_		G SPECIFICATIONS			
	id	in the bid			
☑ Precise specifications to	o be delineated at pre-work r	neeting with DNR staff			
Total Merchantable Residu	al BA (Basal Area) Stand 2:	80 (Minimum 70 to Maximu	ım 90)		
Total Merchantable Residu	al BA (Basal Area) Stands 4,	20 & 24: 100 (Minimum 90	to Maximum 110)		
TREA	ATMENT	NUMBER	SIZE		
Regeneration Gaps Per Acre Girdled Trees Per Acre	re	NA NA	NA NA		
PRODUCT	MARKING SYMBOL	MINIMUM DBH	TOP DIB		
Sawlogs	Slash	10 inch	8 inch		
Sawbolts	NA	NA	NA		
Pulpwood	Slash	4.6 inch	4 inch		
TYPE OF WORK	WORK TO BE DONE	NOT APPLICABLE	PAINT COLOR		
Trees marked to leave			☐ Green ☐ Other		
Trees marked to cut			☑ Orange ☑ Other		
		NTENSITIES			
	/ PRODUCT	RATIO			
N.A.		1:			
		1:			
		1:			
SPECIAL MARKING INSTR	UCTIONS	1			

Refer to the contract and attached appendix for detailed instructions.

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.
- 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 Cody Stevens at (989) 785 4251 ext 5241, to make arrangements for paint.
- 2. Paint will be supplied from Atlanta.
- 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.

3 of 4 R4038 (Rev. 02/27/2008)

Compartment 88 Pine Contract TIMBER SALE PRESCRIPTION APPENDIX

When establishing paint lines:

- The attached type map delineates the contract marking area.
- Avoid using dead or badly damaged trees boundary trees must last for the duration of the timber sale (up to 3-4 years).
- Favor the use of reserved species such as cedar or oak.
- · Avoid using small (fast-growing) stems and those exposed to direct sunlight.
- · Marking must be done in dry weather and when tree surfaces are not wet.
- Paint the boundary line in such a way that it can be seen both from the inside of the sale area and when walking along the line from either direction (two sides). Each boundary line tree must be stump-marked, at the base of the stump (one side) between the roots extending all the way to the ground.
- Place marks approximately six feet above the base of the tree.
- The contractor will keep track of total quarts of paint used per-sale by color.
- The contractor will use a GPS unit to determine enclosed acreage to the nearest one-tenth acre, unless an alternative method is approved prior by Unit Management.
- GPS units used must be compatible with Pathfinder Office (2.01 or later) and capable of producing a Trimble .COR file format. Supply a disk of the traverse file along with a hard copy of the corrected traverse file.
- Position Mode must be set so that GPS receiver collects data from a minimum of four satellites. This must be recorded in the position properties window after downloading.
- Positions deliver ODS (over determine system) data. 2D position will not be acceptable.
- The GPS receiver must log PDOP. This log must be recorded in the position properties window after downloading.
- PDOP mask must be less than or equal to 8.
- SNR setting must be less than or equal to 4.
- Sale boundaries are to be recorded as an area feature, not a line.
- Payment Unit lines may be recorded as a line feature bisecting the sale.

When Registered Corners or Witness Trees are discovered:

- Any wooden posts encountered at corners must also be painted/protected.
- Bearing and/or witness trees discovered during the course of sale preparation must be protected. This can be accomplished by painting a ring completely around the tree at 4-6 feet above ground level with either red paint (corner surrounded by state lands) or blue paint (corner on private property boundary line). In addition, tying ribbon on these trees helps alert loggers to their presence. Do not mark any trees for harvest if cutting them is likely to result in damage to corner monuments and/or bearing trees.
- Please report the condition of all corners, posts and bearing trees to the LCA.

When Cruising:

- Data must be recorded so volume can be determined by stand. If a stand is split into 2 or more payment units, each unit must be recorded separately. In addition, all data must be summarized by species or species grouping by payment unit.
- Within all stands, cruise all marked tree species that will yield one or more 100" pulpwood sticks with a minimum top diameter of four (4) inches DIB. Contact LCA to see what grouping of pulpwood is acceptable.
- Within all marked stands, residual basal area (merchantable sized trees by species) at each plot must also be recorded on the cruise sheets. Borderline residual trees do not have to be measured, but every other borderline tree should be counted.
- Plot centers must be marked according to contract specifications and correspond to a legible 1:15840 scale cruise map. Cruise specifications may be altered as necessary by the LCA.

When marking, prioritize selection of trees to be cut in the following order:

- 1. Release suitable crop trees. (Refer to The Complete Marker for crop tree specifications.)
- 2. When appropriate, try to increase the number of lesser occurring species such as beech in areas of high bear use. LCA can provide an explanation of this priority.
- 3. Remove high-risk, poor quality and trees with poor crowns.
- 4. Maintain target basal area.
- 5. Maintain all species diversity.

Reserved Species:

- Do not mark within 100' of any raptor nest trees. Report these to the LCA as soon as possible and directions will be given at that time.
- Marking of infrequently occurring species should be avoided. Consult the LCA for clarification.