

## NOTICE OF SALE

### **Department of Natural Resources & Conservation Timber Sale**

The Tornilla Creek Timber Sale is located within Section 26, T26N-R27W, on the State's Plains Unit. Approximately 17,360 tons, consisting of mixed conifer sawlogs, are offered for sale.

Sealed bids will be opened at the Department of Natural Resources & Conservation, 2705 Spurgin Road, Missoula, Montana on **January 17, 2018 at 2:00 p.m.** Bids may be hand delivered or mailed and will be accepted any time prior to the bid opening. **DNRC recommends that bidders contact the Trust Land Management Division (406-542-4300) prior to the bid opening to ensure that your bid has been received.** Bids must be accompanied by a deposit of **\$15,884.00**, representing 5% of the minimum bid value of the sale in cashier's check, certified check, bank money order or bank draft to be applied to the first sale invoice for the successful bidder. Bid bonds will be accepted and, for the successful bidder, will be closed upon execution of the Timber Sale Contract and Timber Sale Bond.

The sale will be awarded to the highest responsible bidder. If the successful bidder is unable to execute the contract within **30** calendar days from the date the sale is awarded, the bid deposit will be retained by the Department as liquidated damages. The right is reserved to reject any or all bids.

Prospective bidders can obtain the sale prospectus, sale contract and bid forms from the Department of Natural Resources & Conservation, Trust Land Management Division, in Missoula (406-542-4300), the Northwestern Land Office in Kalispell (406-751-2257), or the Plains Unit Office in Plains, MT (406-826-4725).

Visit our website at <http://dnrc.mt.gov/divisions/trust/forest-management/timber-sale-information> for upcoming sales and bid results.

**TIMBER SALE PROSPECTUS**  
**MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION**

<b>Timber Sale Name: Tornilla Creek Timber Sale</b>	
<b>Timber Sale Location: Section 26, T26N, R27W</b>	
<b>For specific sale information, contact: Jeff Hansen</b>	
Phone 406-826-4725	Unit Office – Plains
Email <a href="mailto:jhansen@mt.gov">jhansen@mt.gov</a>	
<b>For copies of the Timber Sale Contract and bid forms, contact:</b>	
Phone 406-542-4300	Forest Management Bureau DNRC Missoula Office
Phone 406-751-2240	Northwest Land Office

**General Bidding Information**

1. Bids must be submitted on standard Department of Natural Resources & Conservation (Dept) bid forms.
2. Timber will be sold to the highest responsible bidder; however, the Dept reserves the right to reject any or all bids.
3. The Dept recommends that bidders contact the Forest Management Bureau, Trust Land Management Division (542-4300) prior to the bid opening to ensure that your bid has been received.
4. A **Bid Guarantee** must accompany all bids and must be in the form of cash, cashier's check, certified check, money order, bank draft, surety bond or irrevocable letter of credit.
5. The Purchaser must submit a **Performance Bond** to the Dept within a maximum of 45 days of notification of sale award. The bond amount will be, at a minimum, 20% of the total bid value of the sale. The performance bond may be in the form of cash, irrevocable letter of credit, surety bond or certificate of deposit. The performance bond must be maintained separately from other payments for the duration of the sale contract. See the Timber Sale Contract for additional information.
6. The purchaser must submit an **Advance Stumpage Payment** prior to cutting any timber. The amount of the advance stumpage payment will be based on the expected harvest rate and the bid value of the stumpage. The advance stumpage payment may be in the form of cash, irrevocable letter of credit, payment bond or certificate of deposit.
7. At rates specified in the Contract, the purchaser will pay **Forest Improvement Fees** on all sawlog volume. All applicable **Road Use and/or Maintenance fees** will also be paid by the Purchaser in addition to stumpage payments.
8. This sale is being sold based on the gross weight of all species. Minimum price and bid price are on a per ton basis. Unless specified, the price applies to all species, green and dead. Price may vary by product. Billing will be based on gross weight. A weight ticket from a certified scale is required for each load hauled, regardless of product type.
9. The Dept has estimated the net scale merchantable sawlog volume to be available for purchase under this contract. Other products may be part of this sale. All delivered wood will be weighed and billed at per ton bid rates. The Dept recognizes that a percentage of delivered wood may not meet the log manufacturing and recovery standards of the timber sale contract. The actual percentage will vary based on the log manufacturing and recovery specifications of the purchaser and tree conditions in the sale area. The actual delivered weight may vary, resulting in an overrun or under-run of the estimated tonnage. The Dept strongly recommends that bidders evaluate these effects before bidding.
10. The Dept does not conduct detailed road appraisals. All appraised costs are gross estimates or averages, provided only to show the relative amount of work required, and not the true market value. The Dept strongly recommends that bidders make their own estimates based on contract requirements. Cost estimates provided are not guaranteed.
11. Bidders are encouraged to examine the complete Timber Sale Package and Sale Area prior to bidding. Additional information is available at the phone numbers shown above.
12. Estimates for sale volume, species percent, defect, product class, etc. provided in this prospectus and volume estimates listed in the sale contract are not guaranteed.
13. This prospectus is provided for information purposes only. If the prospectus is in error or contradicts the Timber Sale Contract, the contract governs.

**Additional Sale Information:**

**1. Schedule of Road Completion Dates:**

TABLE B-1. ROAD CONSTRUCTION REQUIREMENTS				
Road Name or Number	Approximate Length (miles)	Type of Construction	Operation Period	Completion Date or Requirement
Road 26-1 Road 26-2 Road 26-3	1.35 .28 .73	New Construction New Construction New Construction	Year-round when approved by Forest Officer.	Road work will be completed prior to December 15, 2018 and prior to harvest operations. Final maintenance of the road system is required within <b>6 months</b> of completion of all logging and hauling and prior to termination of the Timber Sale Contract.
Tornilla Creek Road	3.4	Maintenance/Re-construction		
South Fork Tornilla Road	2.8	Maintenance		
Upper Tornilla Road	.38	Reconstruction		

**2. Schedule of Harvest Completion Dates:**

TABLE 3. HARVEST COMPLETION SCHEDULE		
Priority	Unit or Portion of Sale	Completion Date
1	<b>ALL UNITS</b>	<b>Jan 31, 2021</b>

3. The majority of this timber sale is not marked, and it is the purchaser's responsibility to follow the cutting guidelines as described in the Unit Designations of the Tornilla Creek Timber Sale contract.

4. **Portions of this timber sale are behind locked gates. Contact the MT DNRC – Plains Unit for key check-out.**

5. The legal haul route for this timber sale is south on the Weyerhaeuser owned ACM Road#9991/Tornilla Creek Road junction south to the county road/ACM#9991 junction at the 35.5 mile area. Any deviation of this haul route may result in a monetary fine and will be the burden of the purchaser.

6. As described in the sample contract, section **I.VII.G.SPECIAL OPERATING REQUIREMENTS**: The following requirements are to be performed by the Purchaser in specific sale units as shown in Section VII.F, UNIT DESIGNATIONS.

- 1; CONVENTIONAL GROUND-BASED YARDING: This unit may be yarded using conventional ground-based yarding equipment.
- 2; SKYLINE YARDING REQUIREMENTS: A skyline yarding system capable of yarding 1,600-2,000 feet external yarding distance uphill must be used. A carriage capable of 50 feet minimum lateral yarding distance is required. The carriage must maintain a fixed position on the skyline while lateral yarding.
  - a. Skyline corridors shall be spaced not less than 75 feet apart unless approved by the Forest Officer. In the case of ridges where fan-shaped settings are required, the minimum distance at the widest divergence will be 150 feet.
  - b. The location of all skyline corridors shall be approved by the Forest Officer in advance of any felling operations.
  - c. Purchaser will be required to locate the following prior to approval by the Forest Officer:
    - All corridors after determining adequate deflection (minimum 5%)
    - tail trees or tail holds
    - intermediate support tree
    - guyline anchors
    - blind leads
    - decking areas

- d. Clearing width for corridors must be kept to the absolute minimum necessary to accommodate yarding and shall not exceed 12 feet.
  - e. Except for lateral yarding, logs shall be yarded with one end suspended or fully suspended.
  - f. Multispan skyline yarding required: To obtain adequate deflection, intermediate supports may be required on some corridors.
  - g. High tail trees required: Tail trees or lift trees suitable to obtain adequate deflection may be required.
  - h. When rigging is attached to trees not designated for cutting, tree plates or similar effective protective devices may be required and will be removed at completion of use.
  - i. Mobile tailholds or mobile guyline anchors are restricted to areas where it is not necessary to build constructed trails for equipment access unless agreed upon in writing by the Forest Officer.
  - j. In the event that special problems outside the scope of the skyline logging specifications are identified by either party, the Purchaser and the Forest Officer will mutually agree upon the solution.
- 3; RESERVED SUBMERCHANTABLE TREE PROTECTION: Care shall be exercised in felling and skidding operations to minimize damage to sub merchantable trees. If damage is excessive as determined by the Forest Officer, operations may be suspended until suitable arrangements are made to reduce damage.
- 4; SLASHING OF LOGGING-DAMAGED TREES REQUIRED: The Purchaser shall fell all sub merchantable trees with logging-related root or stem damage, causing lean. The stem shall be completely severed from the stump below the lowest live limb. Maximum stump height shall be 12 inches on the uphill side.
- 5; NUTRIENT RECYCLING REQUIREMENT: Purchaser is required to leave material in the unit for recycling of forest nutrients. At the same time, logging slash loading shall be kept to a minimum by skidding and piling some slash at the landings.
- a. Purchaser is required to leave most logging slash *foliage* scattered on the forest floor. The Forest Officer may require lopping and scattering of limbs, severing tops before skidding, returning tops to the woods, or other methods to achieve this requirement.
  - b. Purchaser is required to leave 8-24 tons of material 3 inches in diameter or larger to meet DOWN, WOODY MATERIAL requirements in paragraph IV.C-3. The Forest Officer may require the bucking of cull material in the woods, leaving dead, down sawlogs, or other methods.
  - c. Purchaser is required to reduce slash loading above the amounts required to meet 3a and 3b above. The Forest Officer may require whole-tree skidding (top and limbs attached, bucking permitted) of some material to meet this requirement.
  - d. The Forest Officer and Purchaser will agree to amount of material and the bucking, lopping, and skidding methods to meet these requirements prior to felling and skidding in the unit.
- 6; WILDLIFE LYNX COORIDOR: Retain all PP, WL, WP, and DF except when designated for harvest with a horizontal Orange paint mark at Diameter Breast Height (DBH) and a mark below stump height. Harvest all merchantable white woods (LP, AF, GF). All other trees meeting the minimum size for cutting in Table 2 must be cut. Retain/protect all sub merchantable regen to the greatest extent possible.
- 7; HIGH BANKING REQUIRED: All ground based skidding equipment shall be restricted to 45% slope and less. Ground based skidding equipment shall be equipped with a winch with not less than 100 feet of operable line, or an alternative method, as approved by the Forest Officer.
- 8; EQUIPMENT RESTRICTION ZONE: Skid trails crossing ERZ will be in increments of no less than 200 ft. and are to be proposed/flagged by purchaser/operator and approved by Forest Officer PRIOR to any harvest operation.
- 9; STREAMSIDE MANAGEMENT ZONE: **No harvest zone.** Equipment is prohibited from operating in areas designated as streamside management zones. Slash will not be piled in or pushed into the zone.

**Timber Sale Information Sheet**  
**Montana Department of Natural Resources and Conservation**

<b>Tornilla Creek Timber Sale</b>										
<b>Timber Sale Cruise Data</b>										
SPECIES	DF	DF Dead	WL	WL Dead	LP	ES	GF	WH	AF	TOTAL or AVE
Minimum Bid										\$18.30 per ton
Pounds per cubic foot	62	40	58	40	56	57	60	60.0	55.0	
Estimated tons of sawlogs (5.6" top DIB)	7,395	60	4,290	60	445	435	3,555	140	980	<b>17,360 tons</b>
Estimated tons of other material (post/poll, etc)	150		150		600					900 tons
Gross MBF (Scribner 5.6" top DIB)	1,379	24	890	17	75	90	636	20	189	3,320 MBF
% Cull and Breakage	17.0%	36.2%	15.7%	11.8%	20.0%	5.6%	11.9%	0.0%	12.7%	15.2%
Net MBF (Scribner 5.6" top DIB)	1,145	15	750	15	60	85	560	20	165	2,815 MBF
Average logs per MBF	20.2	17.8	18.1	18.8	38.3	12	21.3	20.4	24.8	20.3 logs/M
Average DBH	12.6	10.8	13.1	14	8.2	17.5	12.3	13.3	11.2	12.1 in.
Average tons per acre harvested in leave-tree marked units	→									76 tons/ac
Average tons per acre harvested in cut-tree-marked units	→									71 tons/ac
Average MBF to cut per acre on the timber sale	→									11.8 MBF/ac
Range of cut trees per acre based on unit cruise	→									106-146
Calculated Sampling Error: Total cruised volume will fall between	2,393 and 3,237 Net MBF in 9 out of 10 cruises									15.0%
<b>Tons Per Thousand Board Feet</b>										
Contract Value - Estimated tons hauled per thousand Scribner board feet	2,815 Net MBF Scribner to a 5.6 inch top DIB									6.17 tons/MBF

<b>Contract Information</b>		
Contract ending date	July 31, 2021	Harvest completion of all units January 31, 2021. Termination and all final road work/contract requirements to be completed July 31, 2021. Final maintenance of the road system is required within 6 months of completion of all logging and hauling and prior to termination of the Timber Sale Contract.
Contract length	3.5 yrs	
Operating Season:	Year round, but only when Soil Compaction requirements in Section VII.H5 are met.	

**Timber Sale Information Sheet**  
**Montana Department of Natural Resources and Conservation**

<b>Logging Information</b>	
% of volume logged by clearcut or seed tree cut	95%
% of volume logged with tractors	47%
% of volume logged by shelterwood cut	05%
% of volume logged by skyline	53%
Yarding distance tractor (average)	712 ft.
Yarding distance ground lead (average)	0 ft.
Yarding distance skyline (average)	587 ft.
Estimated haul distance (paved)	55 miles
Estimated haul distance (unpaved)	6.3 miles

<b>Purchaser fees and estimated costs</b>	
Forest Improvement fee perMBF	\$24.00/MBF
Forest Improvement fee per ton	\$3.89/ton
Forest Improvement fee estimated total	\$67,530.40
Forest Improvement fee quarterly installment	\$11,255.07
Estimated Purchaser-do FI total \$	\$0
Estimated Purchaser-do FI per ton	\$0.00/ton
Estimated Purchaser-do slash disposal work total	\$0.00
Estimated Purchaser-do slash disposal work per ton	\$0.00/ton
<b>Bid Guarantee (total \$)</b>	<b>\$15,884.00</b>
<b>Performance Bond (total \$)</b>	<b>20 % of bid value</b>

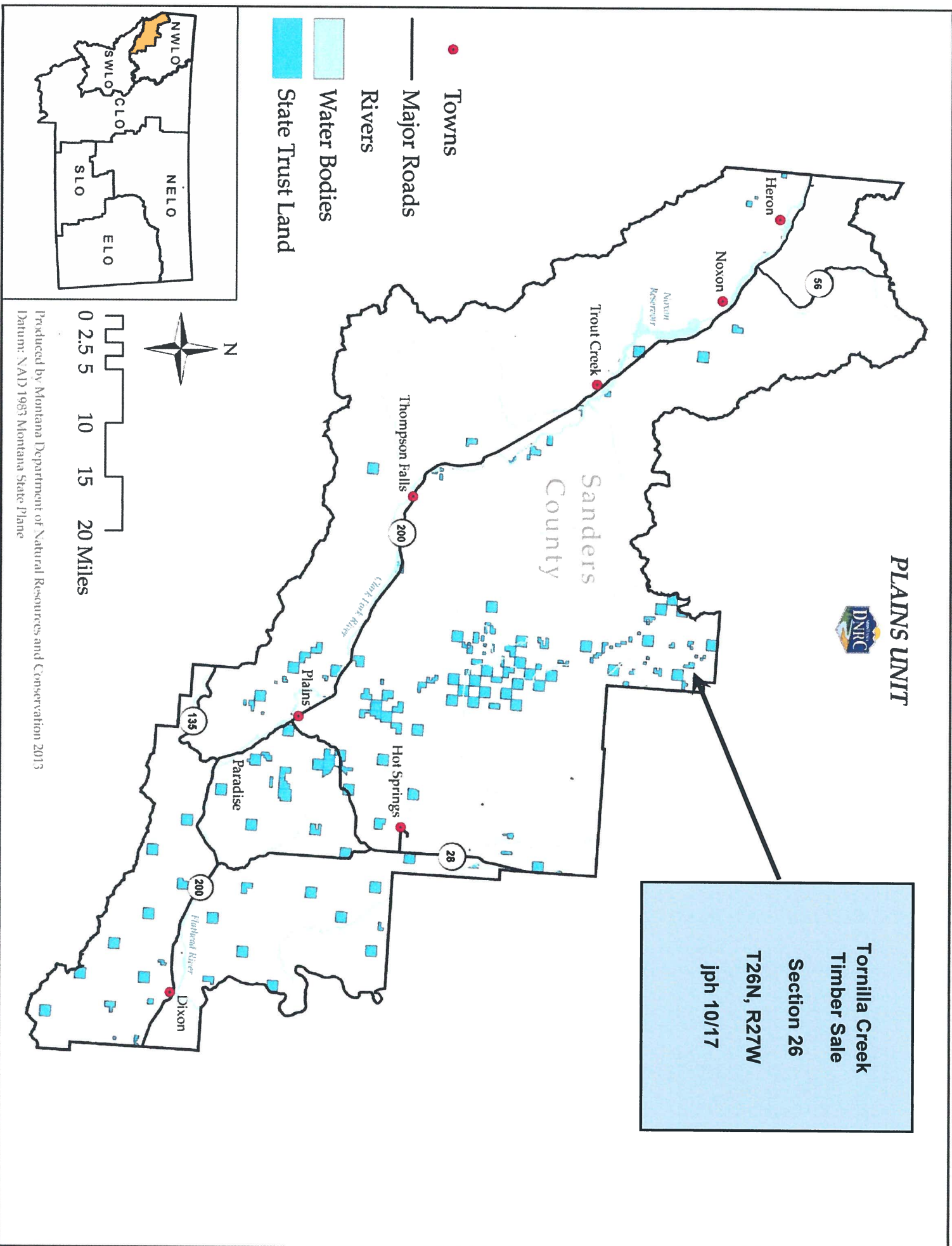
<b>Road development and maintenance fees and estimates</b>	
Estimated road development cost total	\$65,123
Estimated road development cost per ton	\$3.75/ton
Estimated road development cost perMBF	\$23.13/MBF
Estimated Purchaser-do road maintenance cost total	\$11,039
Estimated Purchaser-do road maintenance cost per ton	\$0.64/ton
Private road maintenance charges per ton	\$0.00/ton
USFS road maintenance charges per ton	\$0.00/ton
Miles of road construction	2.4 miles
Miles of road reconstruction	0.4 miles
Miles of road with site improvements	0.0 miles
Miles of road reclamation or abandonment	300ft
Miles of road maintenance and blading	6.2 miles

<b>Unit harvest volume</b>			
Unit #	Acres	Est Tons	Harvest date
26-1 T	74	5,580	January 31, 2021
26-2 T	35	2,660	January 31, 2021
26-1 C	117	8,525	January 31, 2021
26-2 C	12	595	January 31, 2021
	238 Ac.	17,360 tons	

PLAINS UNIT

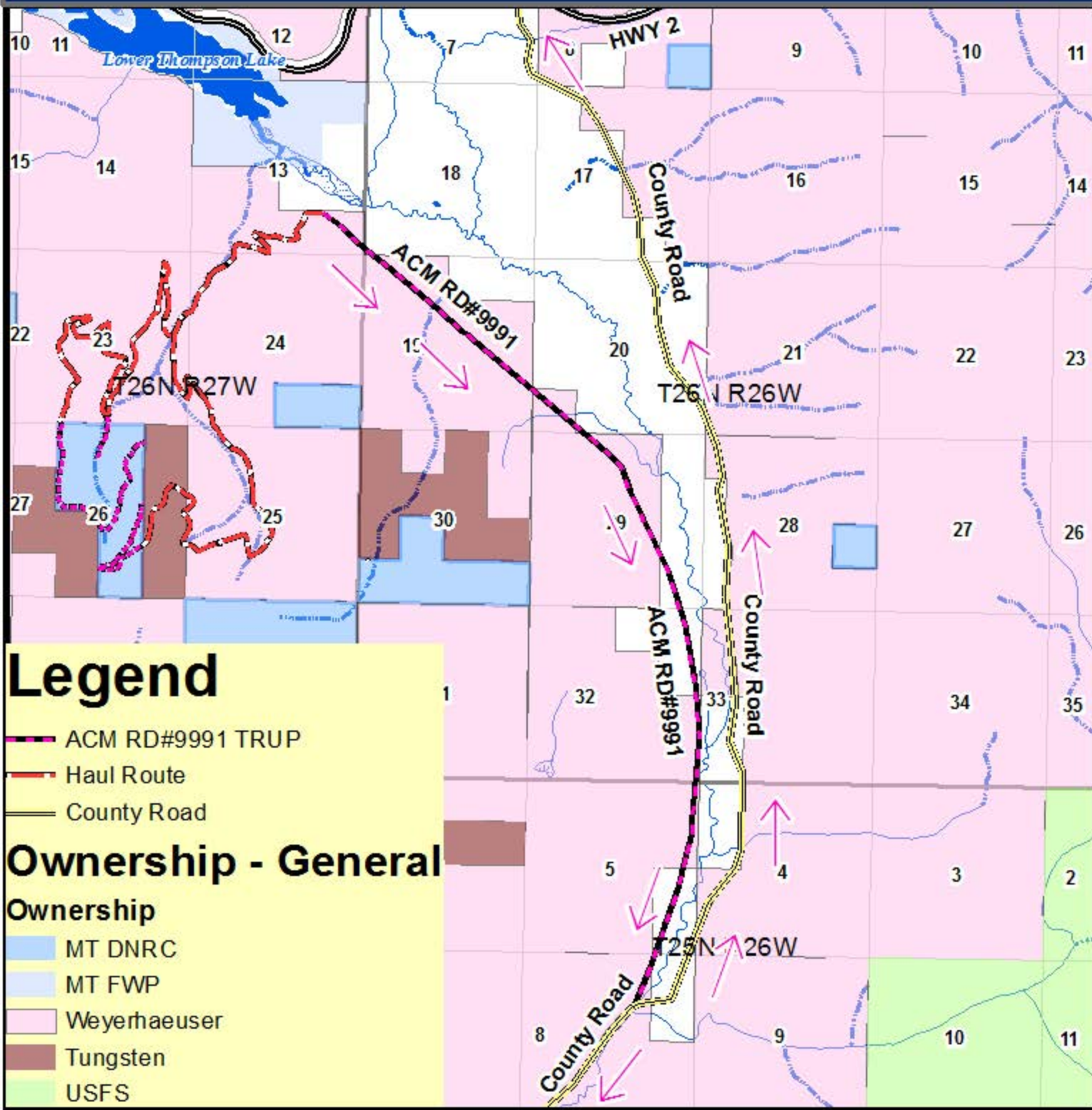


Tornilla Creek  
Timber Sale  
Section 26  
T26N, R27W  
jph 10/17

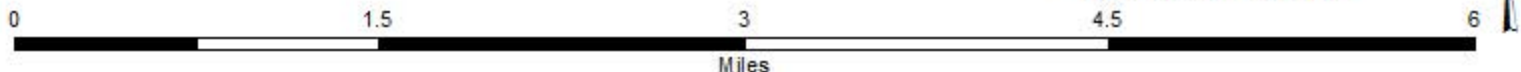


Produced by Montana Department of Natural Resources and Conservation 2013  
Datum: NAD 1983 Montana State Plane

**Tornilla Creek Timber Sale  
Transportation/Haul Route  
S26 T26N R27W**

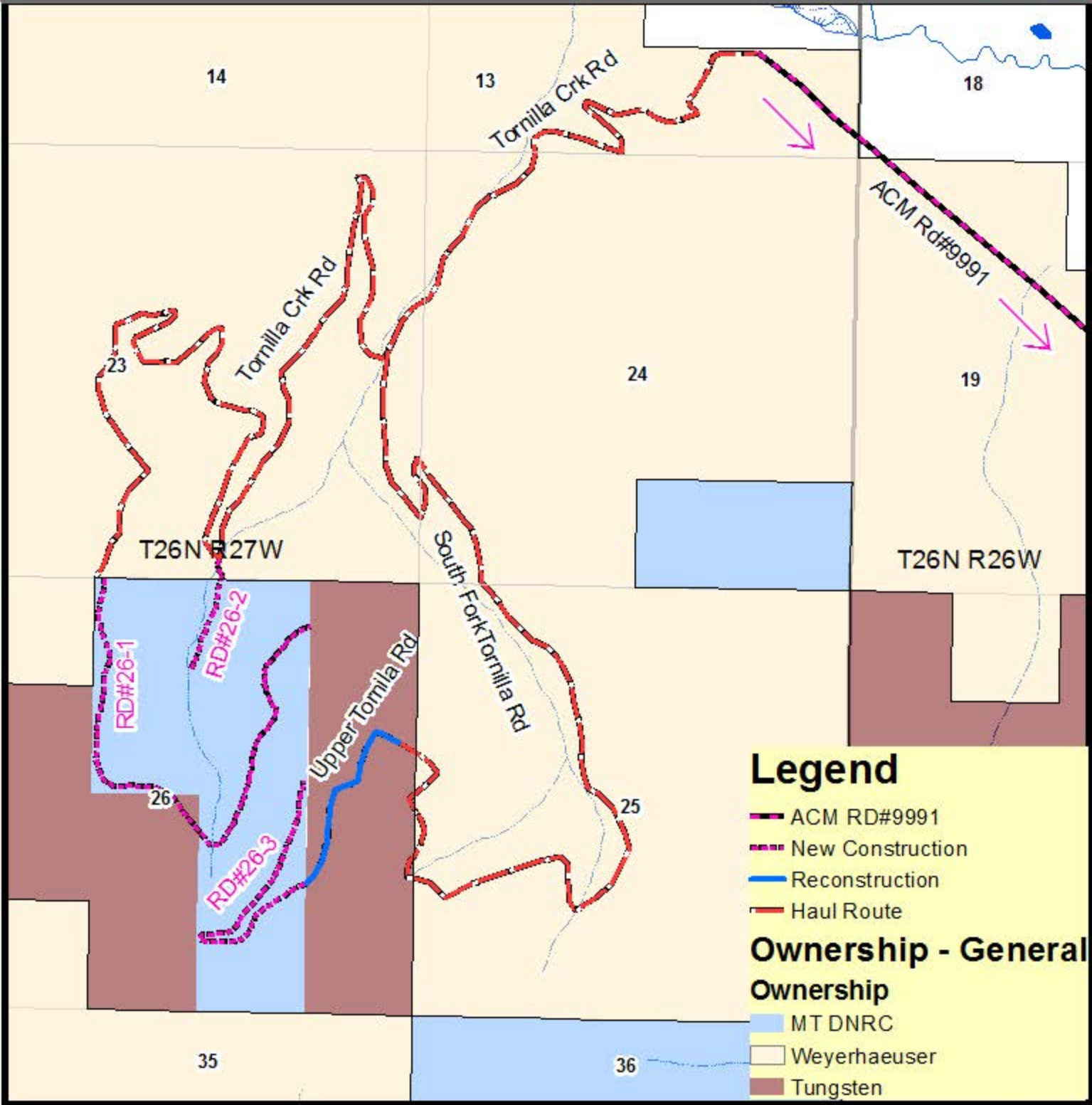


Montana DNRC  
Northwestern Land Office  
Timber JPH 2017





# Tornilla Creek Timber Sale Haul Route/ Transportation Plan S26 T26N R27W



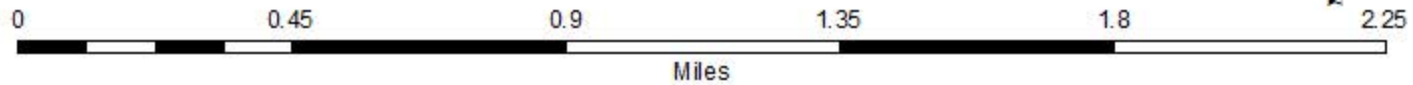
### Legend

- ACM RD#9991
- New Construction
- Reconstruction
- Haul Route

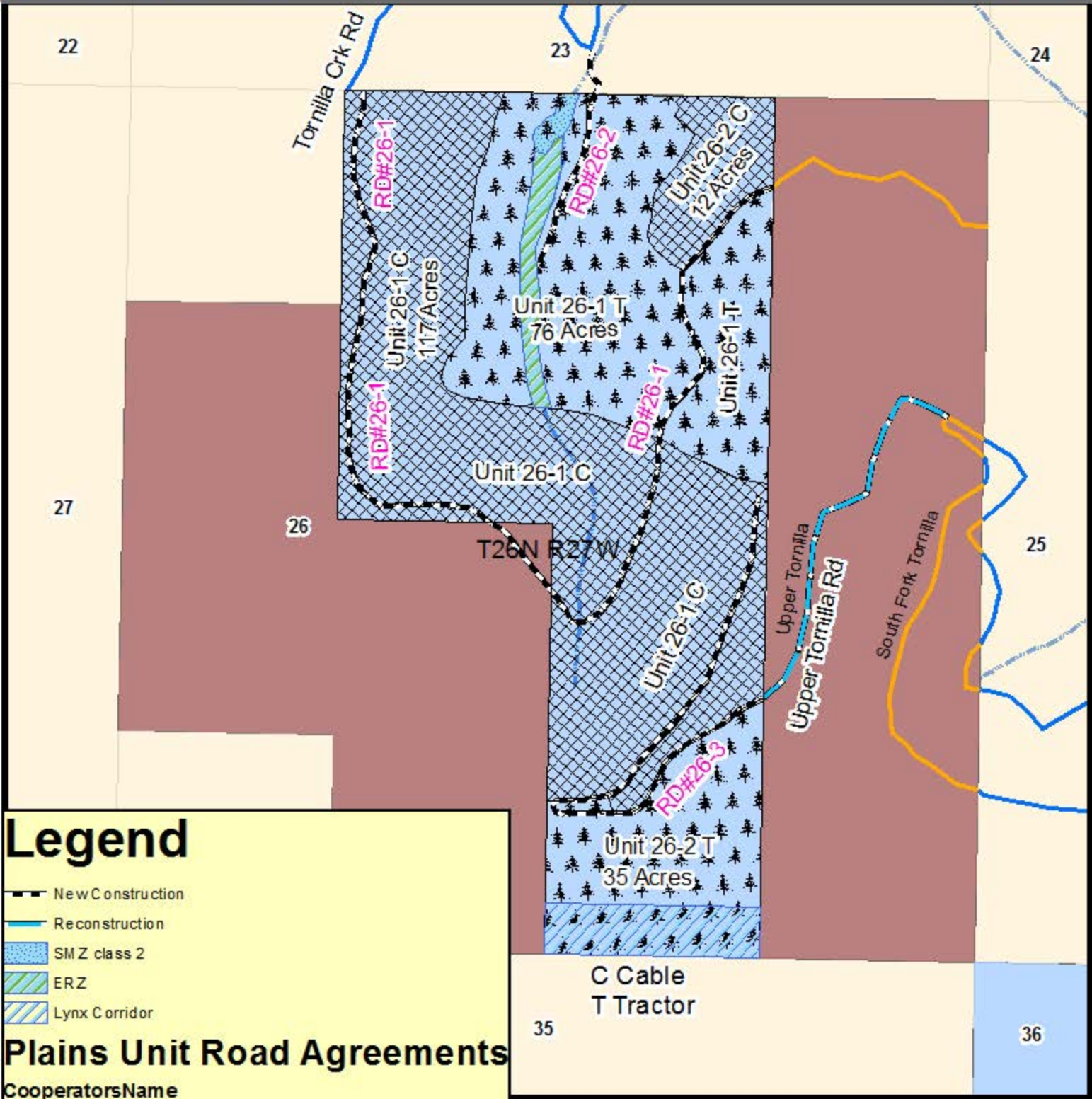
### Ownership - General Ownership

- MT DNR
- Weyerhaeuser
- Tungsten

Montana DNR  
Northwestern Land Office  
Timber JPH 2017



# Tornilla Creek Timber Sale Harvest Plan S26 T26N R27W



## Legend

- New Construction
- Reconstruction
- SMZ class 2
- ERZ
- Lynx Corridor

## Plains Unit Road Agreements

CooperatorsName

- Weyerhaeuser - DNRC
- Tungsten

C Cable  
T Tractor

Montana DNRC  
Northwestern Land Office  
Timber JPH 2017

