NOTICE OF SALE

Department of Natural Resources & Conservation Timber Sale

The Beaver Creek West Timber Sale is located within Section 26, T24N-R31W, on the State’s Plains Unit. Approximately 3,825 tons 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 September 19, 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 $5,097.00, 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).

Timber Sale Name: Beaver Creek West Timber Sale
Timber Sale Location: Section 26, Township 24N, Range 31W

For specific sale information, contact: Jeff Hansen
Phone 406-826-4725  DNRC - Plains Unit
email jhansen@mt.gov  PO Box 219
                   Plains, MT 59859

For copies of the Timber Sale Contract and bid forms, contact:
Phone 406-826-4725  Plains Unit Office

General Bidding Information

1. Bids must be submitted to the Plains Unit Office, PO Box 219, Plains Mt 59859 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 Plains Unit Office, (826-4725) prior to the bid opening to ensure that your bid has been received.

4. A Bid Guarantee of $100.00 must accompany all bids and must be in the form of personal check, 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 and shall be billed concurrent with stumpage. 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 percents, 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>
<thead>
<tr>
<th>Road Name or Number</th>
<th>Approximate Length (miles)</th>
<th>Type of Construction</th>
<th>Operation Period</th>
<th>Completion Date or Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road 26-1</td>
<td>0.3</td>
<td>Road Recondition</td>
<td>June 16th-March 31st and when soil compaction requirements in Section VII. L. 1-3 are met. After haying season is completed and ground is frozen and or snow covered.</td>
<td></td>
</tr>
<tr>
<td>Road 26-1</td>
<td>0.1</td>
<td>New Construction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit#26-1C/26-2T</td>
<td>0.53</td>
<td>Grazing wire fence removal &amp; construction</td>
<td>Completion of grazing wire fence removal and construction is required before any timber harvest ops commence in any unit</td>
<td></td>
</tr>
</tbody>
</table>

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

3. **Forest Improvement Fees** on all sawlog volume shall be billed concurrent with stumpage.

4. **The legal haul route for this timber sale is on the 26-1 road within the sale area to Highway 200. Any deviation from this haul route may result in a monetary fine and will be the burden of the Purchaser.**

5. **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. **EXCALINE YARDING** FOWARDING FROM THE YARDER: A yarder capable of working from low standard skid trails and ridgelines required. Log length skidding required. Processed logs shall be skidded from the yarder to a roadside deck or landing. Erosion control, such as slashing or retaining tops, will be required in skid corridors as directed by the Forest Officer.

   a. Excaline corridors shall be spaced not less than 60 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 Excaline 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
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 Excaline 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 10-20 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. 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.

7. STREAMSIDE MANAGEMENT ZONE: Retain at least 50% of the trees 8 inches DBH and greater on each side of the stream, leaving species and sizes that represent the original stand. Full suspension is required over the stream channel.
8. EQUIPMENT RESTRICTION AREA: The State has marked with ORANGE/BLACK striped flagging. Heavy equipment shall not be operated in areas flagged by the Forest Officer. No harvest of timber is permitted within these designated areas.

9. GRIZZLY BEAR TIMING RESTRICTION: Between April 1- June 15 commercial forest management activities, pre-commercial thinning, and heavy equipment slash treatment are prohibited during this time period.

10. SAFETY/LOGGING OPERATIONS SIGNS: Road signs warning of logging and road construction operations shall be posted 500 feet from the operations. When log hauling is in progress, warning signs shall be posted at major road junctions as directed by the Forest Officer. Warning signs must comply with MUTCD specifications.
## Timber Sale Information Sheet
Montana Department of Natural Resources and Conservation

### Beaver Creek West Timber Sale

#### Timber Sale Cruise Data

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>WL</th>
<th>LP</th>
<th>PP</th>
<th>DF</th>
<th>WRC</th>
<th>GF</th>
<th>TOTAL or AVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Bid per ton</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$26.65</td>
</tr>
<tr>
<td>Pounds per cubic foot</td>
<td>58</td>
<td>56</td>
<td>62</td>
<td>62</td>
<td>44</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Estimated tons of sawlogs (5.6&quot; top DIB)</td>
<td>1,382</td>
<td>620</td>
<td>743</td>
<td>810</td>
<td>220</td>
<td>50</td>
<td>3,825 tons</td>
</tr>
<tr>
<td>Estimated tons of other material (pulp, etc)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0 tons</td>
</tr>
<tr>
<td>Gross MBF (Scribner 5.6&quot; top DIB)</td>
<td>292</td>
<td>119</td>
<td>138</td>
<td>147</td>
<td>47</td>
<td>8</td>
<td>751 MBF</td>
</tr>
<tr>
<td>% Cull and Breakage</td>
<td>17</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>7</td>
<td>8</td>
<td>15.2%</td>
</tr>
<tr>
<td>Net MBF (Scribner 5.6&quot; top DIB)</td>
<td>241</td>
<td>100</td>
<td>116</td>
<td>125</td>
<td>45</td>
<td>10</td>
<td>637 MBF</td>
</tr>
<tr>
<td>Average logs per MBF</td>
<td>21</td>
<td>25</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>18</td>
<td>20.0 logs/M</td>
</tr>
<tr>
<td>Average DBH</td>
<td>12.8</td>
<td>10.4</td>
<td>13.2</td>
<td>13.4</td>
<td>14.4</td>
<td>14.1</td>
<td>13.0 in.</td>
</tr>
<tr>
<td>Average tons per acre harvested in leave-tree marked units</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>89 tons/ac</td>
</tr>
<tr>
<td>Average tons per acre harvested in cut-tree-marked units</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0 tons/ac</td>
</tr>
<tr>
<td>Average MBF to cut per acre on the timber sale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>14.8 MBF/ac</td>
</tr>
<tr>
<td>Range of cut trees per acre based on unit cruise</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>141</td>
</tr>
<tr>
<td>Calculated Sampling Error: Total cruised volume will fall between</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>429 and 781 Net MBF in 9 out of 10 cruises</td>
</tr>
</tbody>
</table>

#### Tons Per Thousand Board Feet

| Contract Value - Estimated tons hauled per thousand Scribner board feet | 3,825 estimated tons to a 5.6 inch top / 637 Net MBF Scribner to a 5.6 inch top DIB | 6.00 tons/MBF |

#### Contract Information

| Contract ending date | 9/30/2020 | Due to Grizzly Bear shutdown, operating season is from June 16th-March 31st. Along with Grizzly Bear timing restrictions, operations will not commence in Units #26-1T & 26-1C until after haying season is completed and ground is frozen and or snow covered and only when soil compaction requirements in Section VII. L. 1-3 are met. |
| Contract length | 24 months | |
| Operating Season: | June 16th-March 31st. After haying season. When ground is frozen and or snow depth requirements are met. |
### Logging Information

| % of volume logged by clearcut or seed tree cut | 100% |
| % of volume logged with tractors | 68% |
| % of volume logged by ground lead (jammer) | 00% |
| % of volume logged by skyline | 32% |
| Yarding distance tractor (average) | 571 ft. |
| Yarding distance ground lead (average) | 0 ft. |
| Yarding distance skyline (average) | 285 ft. |
| Estimated haul distance (paved) | 23.3 miles |
| Estimated haul distance (unpaved) | 0.35 miles |

### Road development and maintenance fees and estimates

- Estimated road development cost total: $4,071
- Estimated road development cost per ton: $1.06/ton
- Estimated road development cost per MBF: $6.39/MBF
- Estimated Purchaser-do road maintenance cost total: $375
- Estimated Purchaser-do road maintenance cost per ton: $0.10/ton
- Private road maintenance charges per ton: $0.00/ton
- USFS road maintenance charges per ton: $0.00/ton
- Miles of road construction: 0.1 miles
- Miles of road recondition: 0.3 miles
- Miles of road reclamation or abandonment: 0.0 miles
- Miles of road maintenance and blading: 0.2 miles

### Purchaser fees and estimated costs

- Forest Improvement fee per MBF: $12.15/MBF
- Forest Improvement fee per ton: $2.03/ton
- Forest Improvement fee estimated total: $7,764.75
- Forest Improvement fee - concurrent with stumpage
  - Estimated Purchaser-do FI total$: $6,091
  - Estimated Purchaser-do FI per ton: $1.59/ton
  - Estimated Purchaser-do slash disposal work total: $0.00
  - Estimated Purchaser-do slash disposal work per ton: $0.00/ton

### Unit harvest volume

<table>
<thead>
<tr>
<th>Unit #</th>
<th>Acres</th>
<th>Est Tons</th>
<th>Est MBF</th>
<th>Harvest date</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-1T</td>
<td>26</td>
<td>2,585</td>
<td>450</td>
<td>9/30/2020</td>
</tr>
<tr>
<td>26-2T</td>
<td>4</td>
<td>150</td>
<td>22</td>
<td>9/30/2020</td>
</tr>
<tr>
<td>26-1C</td>
<td>14</td>
<td>1,090</td>
<td>165</td>
<td>9/30/2020</td>
</tr>
</tbody>
</table>

- **44 Ac.**: 3,825 tons | 637 MBF
Beaver Creek West Timber Sale
PLAINS UNIT

VICINITY MAP

Beaver Creek West Timber Sale
S26 T24N R31W

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