Bayfield County Forestry & Parks Department

Forester: Caleb E. Brown
Compartment: 29, 36 & 35
Topography: Gentle Rolling & Moderate Slopes

Township: 50N 5W & 6W
Sec: 6, 7, 8 & 1, 12
Range: Bayfield & Bell

Stand: 23, 24, 25 & 36, 34 & 21

Reforestation Code: Natural
Tract Number: 34-19

Acres: 227

Estimated Volumes

<table>
<thead>
<tr>
<th>Species</th>
<th>4&quot; Roundwood (Cords)</th>
<th>Whole Tree (Tons)</th>
<th>Sawlogs (MBF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Oak</td>
<td>1971</td>
<td>6497</td>
<td>198</td>
</tr>
<tr>
<td>Mixed Hardwoods*</td>
<td>1340</td>
<td>4623</td>
<td>34</td>
</tr>
<tr>
<td>Red Maple</td>
<td>1457</td>
<td>4522</td>
<td>21</td>
</tr>
<tr>
<td>Aspen</td>
<td>1187</td>
<td>3527</td>
<td></td>
</tr>
<tr>
<td>Fir**</td>
<td>112</td>
<td>439</td>
<td></td>
</tr>
</tbody>
</table>

Notes
Logging Opportunity Approximately:
- 20% Sand Ground
- 49% Good Summer Chance
- 27% Dry or Frozen
- 4% Frozen Ground

*Approximately 32% Sugar Maple, 27% Basswood, 22% White Birch, 14% Yellow Birch, 4% Ash, 1% Other Hardwood
**Approximately 99% Fir, 1% Other Conifer

This map is not a survey of the actual boundary of any property this map depicts.
TRACT 34-19 – SUPPLEMENTAL REQUIREMENTS

The following terms and conditions supplement those provided in the Bayfield County Timber Sale Contract.

A. PRESCRIPTION:
   1. Harvest unit 1 is an aspen coppice with an estimated average residual basal area of 0 ft².
   2. Harvest unit 2 is a scrub oak seed tree prescription with an estimated average residual basal area of 15 ft².
   3. Harvest unit 3 is a combination of oak, northern hardwood, and aspen seed tree with an estimated average residual basal area of 14 ft².

B. HARVEST REQUIREMENTS:
   1. In unit 1 harvest all hardwood stems 2 inches and greater.
   2. In unit 2 harvest all hardwood and balsam fir stems 2 inches and greater while leaving all other conifers, purple marked trees, and oak trees 4 inches and less.
   3. In unit 3 harvest all hardwood and balsam fir stems 2 inches and greater while leaving all other conifers, purple marked trees, and oak trees 8 inches and less.

C. HARVEST AND OPERATIONAL REQUIREMENTS AND SEASONAL RESTRICTIONS:
   1. In units 1 and 2 harvest operations are not restricted.
   2. In unit 3 harvest operation restrictions range from good summer change (61% of unit area), dry or frozen (34%), to frozen ground (5%), as determined by Bayfield County (see map).
   3. To access southern tip of unit 3, use suggested access route or cross the buffered less than 1-foot stream area when frozen ground as determined by the sale administrator.
   4. If harvest will utilize the whole tree, 1 in 10 tops must be left scattered throughout the sale.
   5. Sale boundaries include red paint line blue paint line, old logging roads, and drastic timber type changes to young aspen, and recent seed tree harvest (see aerial map).
   6. The blue line indicates private property. No equipment or felled trees may cross the line.
   7. Do not damage any survey monumentation.

D. ACCESS AND ROADS:
   1. This contract requires County authorization for all road/landing construction and places a number of other requirements on road construction and closure.
   2. Decking of wood along town roads will not be allowed without permission from Bayfield County.

E. OTHER:
   1. Contractor will be responsible for improvement/construction of approximately 7,900 ft of road (see attached Road Project Map Tract #34-19).
   2. To comply with Best Management Practices for Invasive Species: Prior to moving equipment onto or off the sale area, scrape or brush soil and debris from exterior surfaces to the extent practical.
The Contractor will be responsible for upgrades on the portion labeled Contractor Portion on the map. The Contractor Portion consists of existing road. Work must be completed and approved by the county prior to sale closeout.

- The Contractor will deliver and spread, at county designated locations (see map), a total of 638 tons of 1 1/4" base coarse gravel and 416 tons of 3" minus fractured rock. Contractor will be responsible for all expenses associated with all rock.
- Between points 1 and 6 pitch road at roughly 8% to the east (downhill side), back slopes will be constructed at no steeper than 2:1 along the entire road segment as determined by the County and install lead offs at all low points.
- At point 2, one 12"x24' culvert (steel or dual wall plastic) will be supplied and installed by the Contractor at the Contractor’s expense.
- At point 3, a mandatory lead off with 22 tons of 1 1/4" base coarse gravel is required.
- At point 4, a mandatory lead off with 44 tons of 1 1/4" base coarse gravel is required.
- Between points 5 to 6 and 9 and 10 apply 1.25" base coarse gravel.
- Between points 6 to 7 and points 8 to 9 slightly dish road deck and embed 3" minus fractured rock.
- Between points 9 and 11 pitch road at roughly 8% to the north (downhill side), back slopes will be constructed at no steeper than 2:1 along the entire road segment as determined by the County and install lead offs at every opportunity.
- Work must occur during non-frozen ground conditions.
  - A minimum 16 foot road deck is required.
  - All fractured rock and coarse gravel quantities will be verified using a load ticket system.
  - Rock and or gravel specification may be adjusted, as determined by the county, to better suit the application. Quantities will not change. All rock will be fractured.
  - No road clearing debris, root balls or other materials shall be deposited in wetlands. All trees harvested for road work must be utilized, and all clearing debris and root balls must be scattered and sloped to allow for proper water management as determined by Bayfield County.
  - Fractured rock and coarse gravel will be applied, and culverts installed as specified by the county.

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**Project Requirements:**

- Work Indicators
- Contractor Road Work (~7,900 ft)
- Trails
- Bay Co Forest Snowmobile Trails
- Roads
- Timber Sale Area
- Stream
- Lake

- Culvert 12' by 24' (either galvanized steel or dual wall plastic) with catch basin and lead off
- Mandatory lead of with 30 yards of 1.25" base coarse gravel
- Mandatory lead of with 15 yards of 1.25" base coarse gravel
- Start of 3" minus factured rock & End of 3" minus factured rock
- Start of 1.25" base coarse gravel & End of 1.25" base coarse gravel
- End of 3" minus factured rock
- No Contractor Work required between points 7 & 8
- End of Contractor Work
- Beginning of Contractor Work
- End of Contractor Work