Western Montana Corridor: Woody Biomass from Logging and Mill Residuals

Erik Berg
The University of Montana - Missoula
Montana’s Timber Resource
Non-reserved Timberlands
2003-2009

<table>
<thead>
<tr>
<th></th>
<th>Public Lands</th>
<th>Private Lands</th>
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<tbody>
<tr>
<td>Growing stock volume</td>
<td>36,061 MMCF</td>
<td></td>
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<tr>
<td>Standing dead volume</td>
<td>6,421</td>
<td></td>
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<tr>
<td>Annual (gross) growth</td>
<td>853</td>
<td></td>
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<tr>
<td>Annual mortality</td>
<td>492</td>
<td></td>
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<tr>
<td>Ave. harvest (2003 - 2009)</td>
<td>~140</td>
<td></td>
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<td>Harvest (2011)</td>
<td>~ 90</td>
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Growth to Harvest Ratio

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<td>Growth to Harvest Ratio</td>
<td>8 : 1</td>
<td>2 : 1</td>
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Montana Annual Timber Harvest
1980-2011
Montana CF of growing stock logging residue per MCF delivered to mills

Bole volume only, does not include limbs and tops

1965 Factors are from Wilson et al. 1970.
2002 Factors are from Morgan et al. 2005.
*2011 Factors are preliminary—7 sites.
Residues from Montana sawmills and plywood plants, 2009

- Coarse
- Sawdust
- Planer shavings
- Bark

- Unutilized
- Unspecified use
- Mulch or animal bedding
- Energy
- Pulp and board
Roadmap to success

• Produce a comprehensive woody biomass inventory for both the “east” and “west”.