New Brunswick

~ 7 million hectares of land

~ 85% forested

~ 730,000 people

~ 45% in 3 urban centers

~ Many communities highly dependent on forestry

~ $1.7 Billion GDP (~6%)

~ 24,000 forestry jobs

~ $1.2 Billion in wages

~ 2500 firms (8% of firms)
New Brunswick Forestry Successes

Top or nearing top of class per forest area for:
- Wildfire control
- Volume harvested
- Certification
- Forestry and logging revenue
- Employment
- Balance of trade

% of 2005 Roundwood Consumption

民國前/通用格式 民國前/通用格式
New Brunswick Forest
Tree Species

....highly diverse distribution of tree species
New Brunswick Forest

Stand Types

...highly diverse distribution of stand composition

<table>
<thead>
<tr>
<th>Softwood</th>
<th>Hardwood</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Spruce, 9.3</td>
<td>Intolerant HW, 11.59</td>
</tr>
<tr>
<td>Spruce, 6.19</td>
<td>Poplar/ HW, 3.31</td>
</tr>
<tr>
<td>B. Fir/ Spruce, 5.39</td>
<td>Birch/ HW, 2.56</td>
</tr>
<tr>
<td>Black Spruce/ B. Fir, 3.92</td>
<td>Tolerant Intolerant HW, 2.12</td>
</tr>
<tr>
<td>Tolerant SW, 2.52</td>
<td>Sugar Maple/ HW, 1.58</td>
</tr>
<tr>
<td>Cedar/ Softwood, 2.52</td>
<td>Tolerant Hardwood/ HW, 1.03</td>
</tr>
<tr>
<td>Intolerant SW, 2.06</td>
<td>Non Comm., 1.45</td>
</tr>
<tr>
<td>Intolerant HW, 11.59</td>
<td>Red Map..., HW, 0.77</td>
</tr>
<tr>
<td>Softwood-Hardwood</td>
<td>Be..., TH, 0.52</td>
</tr>
<tr>
<td>Hardwood-Softwood</td>
<td></td>
</tr>
<tr>
<td>Intolerant Mix, 2.79</td>
<td>Tolerant Mix, 1.49</td>
</tr>
<tr>
<td>Poplar Mix, 1.86</td>
<td>Tolerant Hardwood Mix, 1.03</td>
</tr>
<tr>
<td>Tolerant Mix, 1.49</td>
<td></td>
</tr>
<tr>
<td>Intolerant Mix, 2.79</td>
<td></td>
</tr>
<tr>
<td>Poor Site Black Spruce, 1.39</td>
<td></td>
</tr>
<tr>
<td>Spruce/ B. Fir, 1.4</td>
<td></td>
</tr>
<tr>
<td>Red Spruce, 1.3</td>
<td></td>
</tr>
<tr>
<td>White Pine/ SW, 1.04</td>
<td></td>
</tr>
<tr>
<td>Red Spruce/ B. Fir, 1.45</td>
<td></td>
</tr>
<tr>
<td>Larch/ SW, 0.79</td>
<td></td>
</tr>
<tr>
<td>Red H... Pl... S...</td>
<td></td>
</tr>
<tr>
<td>Birch Mix, 1.87</td>
<td></td>
</tr>
<tr>
<td>Red Maple Mix, 1.18</td>
<td></td>
</tr>
<tr>
<td>Tolerant Hardwood Mix, 1.03</td>
<td></td>
</tr>
<tr>
<td>B. Fir Mix, 5.93</td>
<td></td>
</tr>
<tr>
<td>Spruce Mix, 2.75</td>
<td></td>
</tr>
<tr>
<td>Red Spruce Mix,...</td>
<td></td>
</tr>
<tr>
<td>Pine...</td>
<td></td>
</tr>
</tbody>
</table>

51% 21% 28%
New Brunswick Forest
Ownership

<table>
<thead>
<tr>
<th>Ownership</th>
<th>Area ('000 ha)</th>
<th>% of Province</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crown Land</td>
<td>3,085</td>
<td>50%</td>
</tr>
<tr>
<td>Industrial Freehold</td>
<td>1,093</td>
<td>18%</td>
</tr>
<tr>
<td>Private Woodlots</td>
<td>1,814</td>
<td>30%</td>
</tr>
<tr>
<td>Federal</td>
<td>136</td>
<td>2%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>6,129</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

….highly diverse distribution of forest ownership
New Brunswick Forest
Crown Land

- 10 Licenses
- 6 Administrative Units
- 4 Licensees (+ One Mgmt Team)
- Minister sets objectives, Licensee implements management
- Responsible for development/oversight of a forest area
- Result-Based Oversight and Evaluation
- Sub-Licensees harvest or receive wood
- Outside of License:
  - Many non-timber and recreational leases
  - Provincial Parks and Protected Areas
Stewardship of the Environment
Stewardship of the Environment
Stewardship of the Environment
Supporting a Vibrant Forest Sector
Supporting a Vibrant Forest Sector
Supporting a Vibrant Forest Sector
Supporting a Vibrant Forest Sector
Crown Forest Management Approach
‘Snapshot’ of Crown Land

Crown Forest
3.085M ha

Working Forest
72%

Conservation Forest
28%

Areas are ‘zoned’ for primary focus, but several values are produced in all ‘zones’
Crown Forest Management Approach

Working Forest 72%
- Managed 27%
- PCTed 14%
- Planted 13%
- Untreated Regen 13%
- Partial Harvests 5%
- Mature Natural 23%

Natural Unmanaged 41%

Harvest about 1.6% of forest area each year:
- 75%-80% of harvest is clearcut
- 20-25% of harvest is non-clearcut
Crown Forest Management Approach

Annually on Crown Land…

Of area that is clearcut harvested:
- about 20% is planted
- about 15% is pre-commercially thinned
- about 65% is left to grow untreated
Crown Forest Management Approach

Annually on Crown Land...

**Crown Forest**

3.085M ha

Plant 0.36%

Plantation and vegetation management occur on 0.36% of the landbase annually
Vegetation Management in Context

• NB Foresters use a *broad set of tools* to manage the Crown forest

• Actions taken represent a range along a *continuum of ‘intensity’*

• ‘The whole is greater than the sum of the parts’

• Vegetation management in softwood plantations is a *relatively small tool*, but a highly important one to *support other aspects* of our management approach

• Foundational to NB’s management successes are it’s *forestry professionals*, and their reliance on *technical, science-based management*.
thanks

chris.b.ward@gnb.ca