Appendix 5m Butler

Slide 1

Urbanization in the United States
Brett J. Butler
U.S. Forest Service
Northern Research Station
Forest Inventory & Analysis Program

Cerulean Warbler Meeting June 12-14, 2006

Slide 2

The Social Context of Forests in the Eastern United States
Brett J. Butler
U.S. Forest Service
Northern Research Station
Forest Inventory & Analysis Program

Cerulean Warbler Meeting June 12-14, 2006

Slide 3

Outline
- Forest area
- Forest composition
- Forest ownership
- Parcelization
- Urbanization
- Population

UNPUBLISHED MATERIAL
Forest Area in the Eastern U.S.
1630-2002

(Smith et al. 2004)

Land Use Change Matrix for the
Northeastern U.S.*

<table>
<thead>
<tr>
<th>2000</th>
<th>Agriculture</th>
<th>Developed</th>
<th>Forest</th>
<th>Other</th>
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</table>

* Millions of Acres

Forest Cover Types Projections
for the Northeastern U.S.

(Alig and Butler 2004)

FOR DISTRIBUTION ONLY WITH JUNE 2006 CERULEAN WARBLER WORKSHOP PROCEEDINGS
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Public and Private Forest Ownership in the United States

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Forest Ownership

<table>
<thead>
<tr>
<th>United States*</th>
<th>Eastern U.S.</th>
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<tbody>
<tr>
<td>Family 42%</td>
<td>Family 57%</td>
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<tr>
<td>Business 21%</td>
<td>Business 25%</td>
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<tr>
<td>State 6%</td>
<td>State 7%</td>
</tr>
<tr>
<td>Local 2%</td>
<td>Local 2%</td>
</tr>
<tr>
<td>Federal 29%</td>
<td>Federal 9%</td>
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</tbody>
</table>

* Excluding Alaska and Hawaii

[Butler and Leatherberry 2004]

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Who are the family forest owners?

- Number of owners*: 146,000
- Forested acres owned: 7.8 million
- Education: 83% some college
- Occupation: 60% retired
- Average age: 66 years

[Butler and Leatherberry 2004]
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What do they intend to do with it in the next 5 years?

- No plans
- Subdivide
- Sawlogs
- Sell
- Convert
- NTFPs
- Heirs
- Firewood
- Sell

Percent of Family Forestland

[Butler and Leatherberry 2004]

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Forest Ownership Trends

- Public lands
- Management funds
- Forest industry
- Financial investment groups
- Increased population pressures
- Parcelization
- Landowner turnover
- Ownership objectives
- Landowner age
- Land transfers
- Number of small holdings
- Importance of amenity values
- Importance of land ownership
- Importance of timber production

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Parcelization

[Butler and King 2005]
Questions?

References

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**Land Use Change Matrix for the Northeastern U.S.**

<table>
<thead>
<tr>
<th></th>
<th>1990</th>
<th>2000</th>
<th>2005</th>
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</table>

* Millions of hectares

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**Forest Management**

- Timber harvesting: 28% of family forests
- Forest management plan: 6% of family forestland
- Professional assistance: 24% of family forestland

(Butler and Leatherberry 2004)

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**Communications**

<table>
<thead>
<tr>
<th>Method</th>
<th>Percent of Family Forestland</th>
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<tr>
<td>Publications</td>
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<tr>
<td>Forester</td>
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<td>Neighbors</td>
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<td>Field trips</td>
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<tr>
<td>Other owners</td>
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</tr>
<tr>
<td>TV/radio</td>
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(Butler and Leatherberry 2004)