

Criterion 6 – Maintenance and Enhancement of long term socio economic benefits

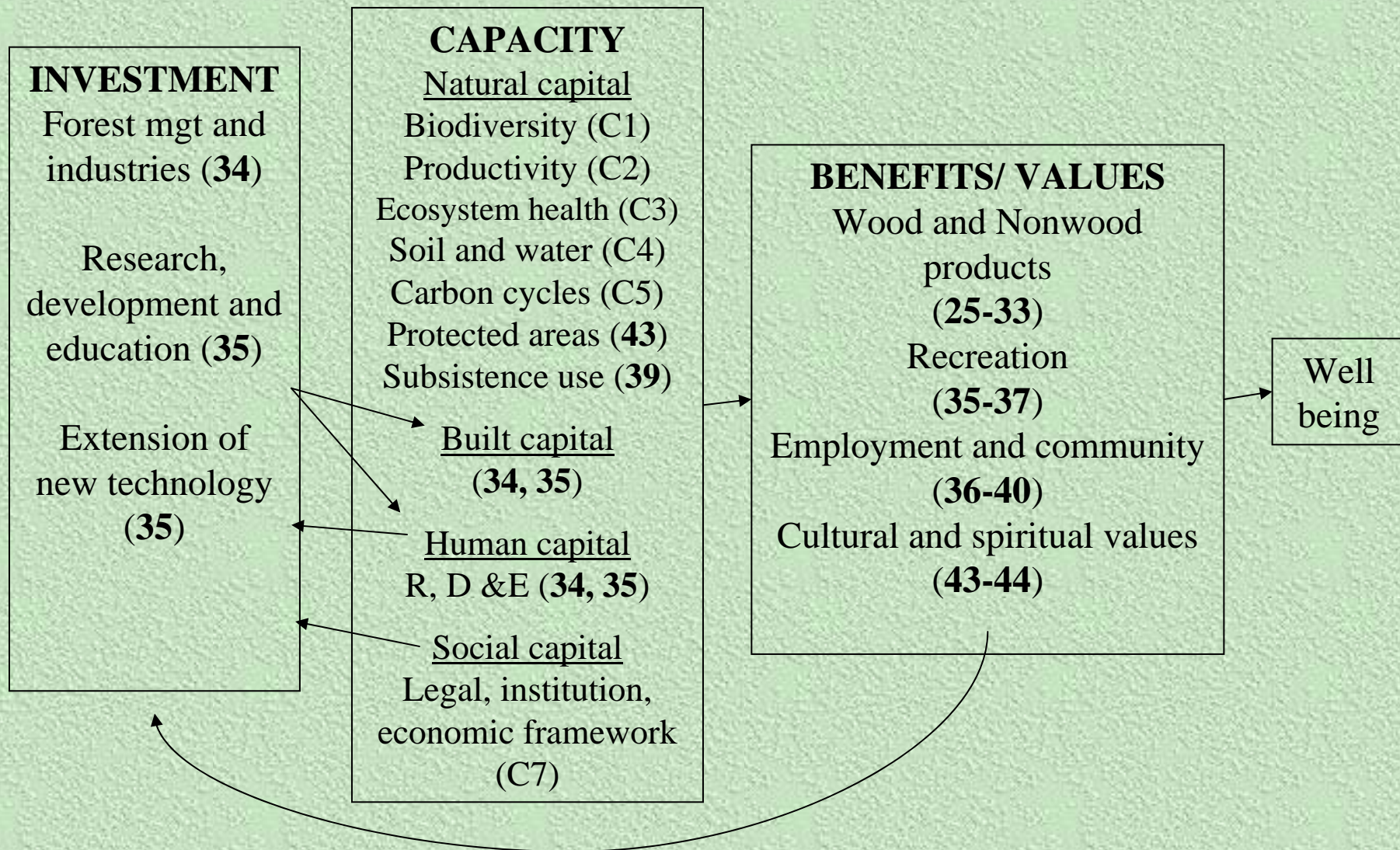
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Criterion 6 Indicators

- **Production and consumption (9)**
 - Wood, nonwood, environmental services revenues
- **Investment in the forest sector (2)**
 - Forest management, wood, nonwood industries, environmental services, recreation & tourism
 - Research, development, extension, education
- **Employment and community needs (5)**
 - Jobs, wages, injuries, community resilience, subsistence use, distribution of revenues
- **Recreation and tourism (2)**
 - Area available, visits, facilities
- **Cultural, social and spiritual needs and values (2)**
 - Area under management, importance of forests to people

Figure 1 – Relationship of Criterion 6 Indicators to other Criteria



Possible missions for Indicators

1. Accelerate National Learning –

Increase awareness of issues

- **Most important issues, indicators needed**

2. Assess National Position and Progress –

Where are we compared to vision & wanted progress

- **Vision (condition, progress), indicators needed**

Potential Criterion 6 indicator detail

- **Trends by county**
 - Wood product harvest, cu. ft. , per A, per capita
- **Trends by category and state** (amount, amt per acre forest, amt per capita)
 - Wood product production, consumption (rw eq), net imports (rw eq)
 - Recreation visits
 - Area and percent of forests avail for recreation
 - Investments / expenditures – states would need to provide some
 - Employment, wages
 - Area managed to protect cultural, social, spiritual values
- **State condition** (may not have trends)
 - Subsistence use, some non wood forest products?
- **Selected locations** (regions? Substate?) condition (may not have trends)
 - Environmental services??
 - Some non wood forest products
- **Other/ not sure**
 - Resilience of forest-dependent communities
 - Importance of forests to people

What Criterion 6 indicators and detail are important?

Using one perspective –

Accelerate National Learning – Increase awareness of issues

- Intensity/ of recreation demand and adequacy of supply (as local as possible)**
- Levels of investment of all kinds by state/region in relation to state/region issues (identified from other state or lower indicators)**
- How dependant is each state on external wood supply?**
- Trends in economic contributions of forest (as local as possible)**
- Other issues?**

Figure 35-4 Forest available per person for recreation and total forest per person, 2002

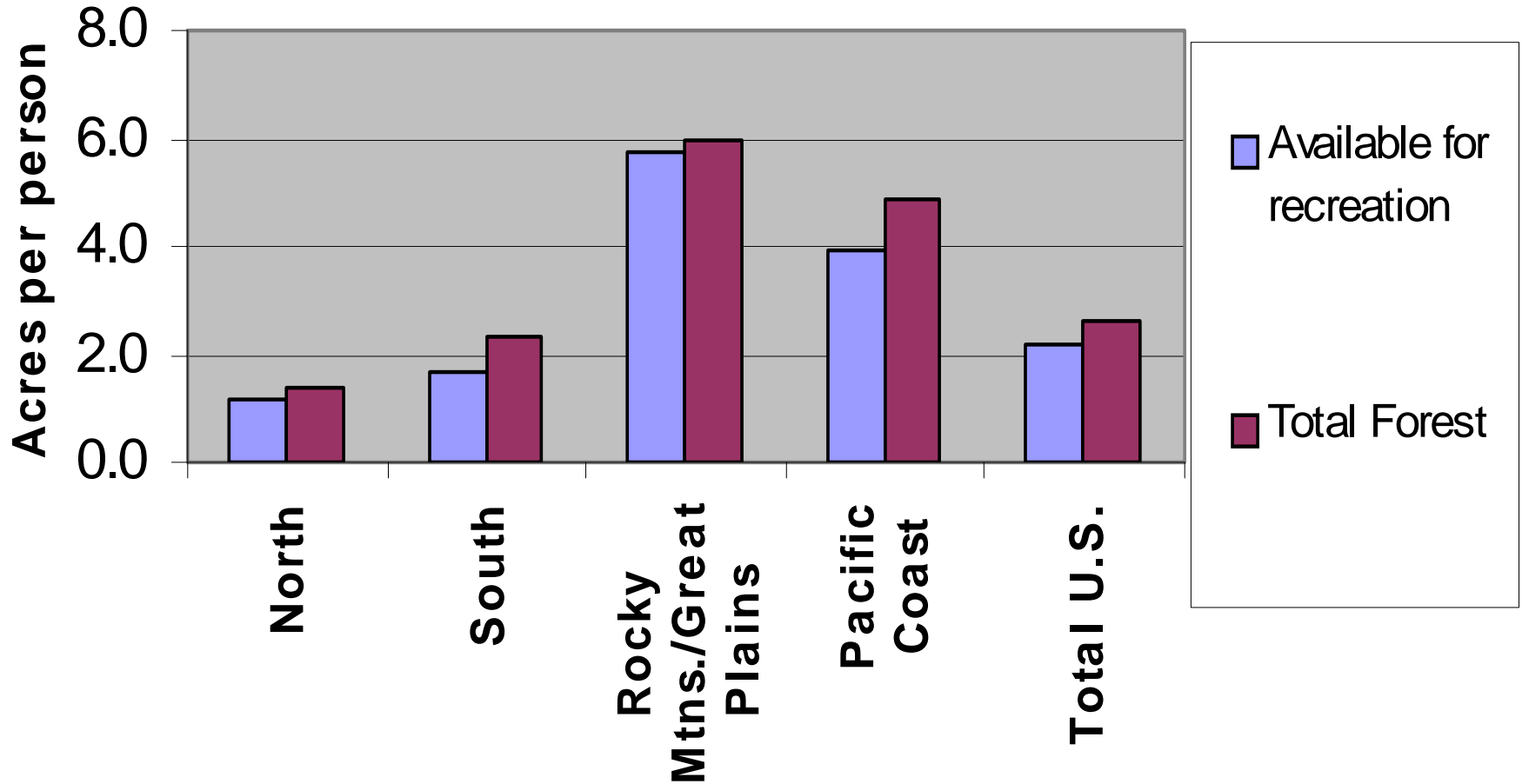


Figure 39-1 Forestry R&D expenditures at U.S. universities, 1995-2000

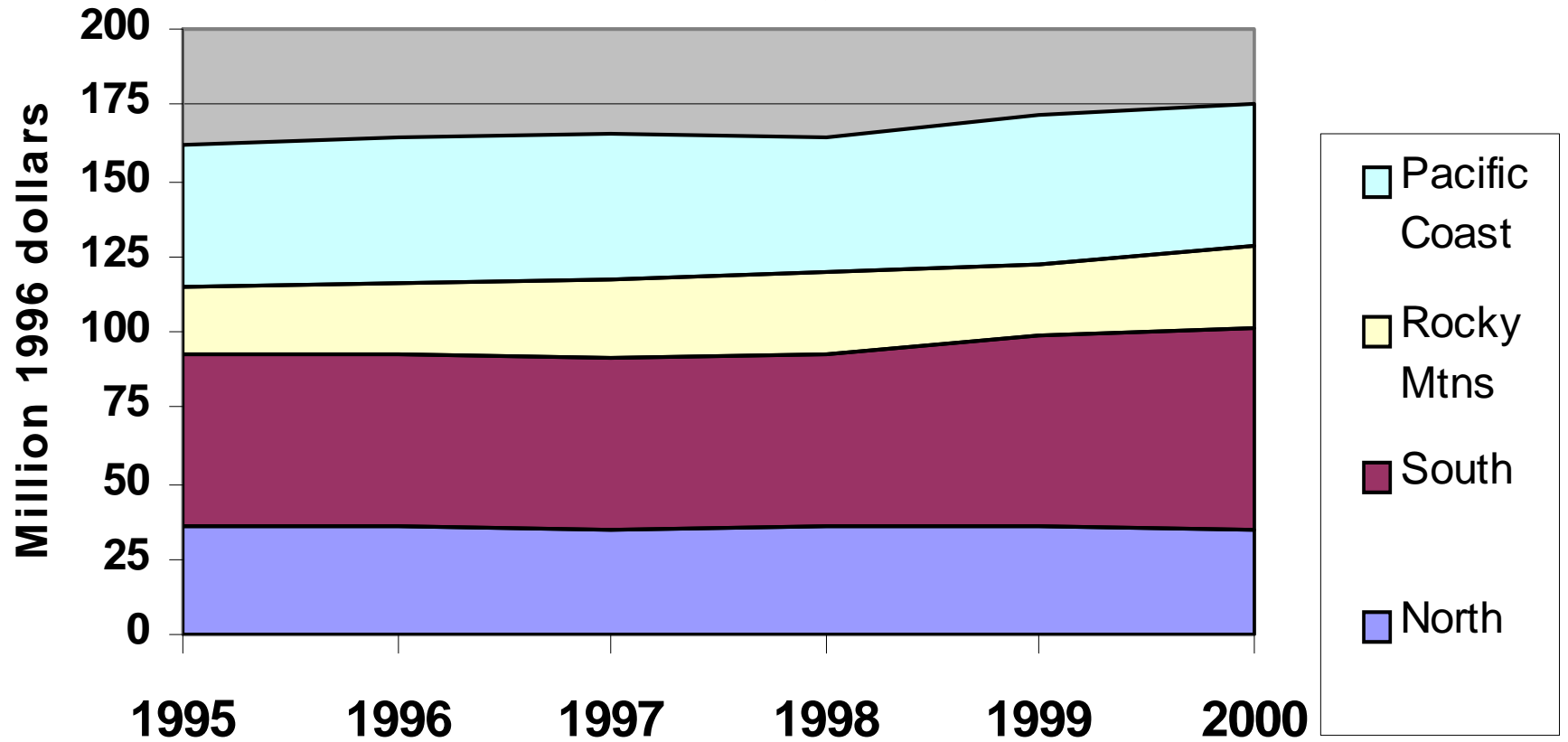
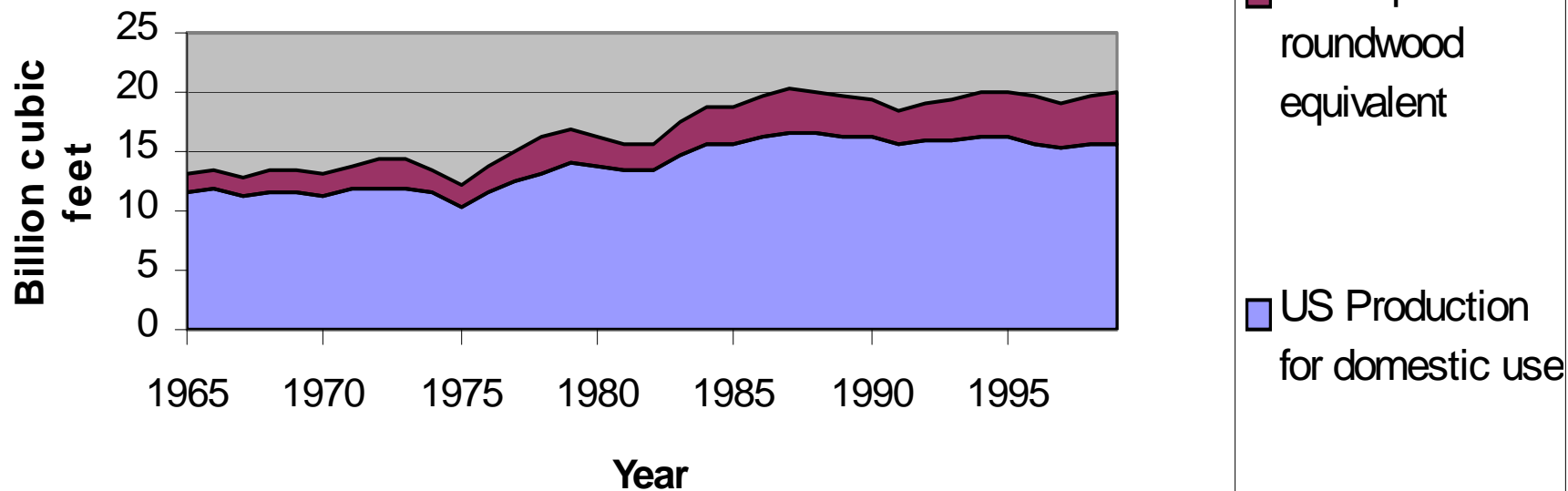


Figure 31-4a U.S. Apparent consumption of roundwood from domestic harvest and net imports (roundwood equivalent) 1965-1999



What Criterion 6 indicators and detail are important?

Using one perspective –

Accelerate National Learning – Increase awareness of issues

- **Intensity/ of recreation demand and adequacy of supply (as local as possible)**
- **Levels of investment of all kinds by state/region in relation to state/region issues (identified from other state or lower indicators)**
- **How dependant is each state on external wood supply?**
- **Trends in economic contributions of forest (as local as possible)**
- **Other issues?**

Other perspectives –

Assess National Position and Progress – Were are we compared to vision & wanted progress

Technical challenges

- What indicator detail is most important to you?
Why?
 - Categories (e.g. kinds of wood products, kinds of recreation, kinds of investment)
 - Scale (National, state, substate, local?)
 - Where is trend data most critical?
 - How to display data? graphs, maps
 - What comparisons to other data are important?
How? Graphs, maps
 - E.g. Jobs per acre of forest, average compared to developed countries?)
 - **What one figure should be on the one page summary?**
 - Do you have data sources you expect us to use?

Possible Examples

- Awareness need
 - Adequacy of investment in ecosystem mgt
 - Indicator detail – national research dollars trend compared to trends in selected ecosystem conditions
- Vision of condition/ progress
 - Vision: access to recreation is increasing
 - Indicator detail – forest acres accessible per capita by state// Regional trends in accessible acres per capita
- Ability to meet future needs
 - Trends in demands for products and services
 - Trends in production capacities – land, industry, access for recreation/facilities

Criterion 6 - Breakout tables

1. Indicator 27 – Revenue from forest based environmental services – *Evan Mercer*
2. Indicator 38 - Resilience of forest-dependent communities – *Kristen Magis*
3. Indicator 44 – Importance of forests to people – *Maureen McDonough*
4. Other Criterion 6 Indicators
 - *Ken Skog*
 - *Sarah LaPlant* – Indicator 35 – Investment in research, development, education, and extension

Possible missions for indicators

1. **Accelerate National Learning – increase awareness of issues**
2. **Assess National Position and Progress – where are we compared to vision & wanted progress**
3. **Provide a Context for Evaluation – measure performance of policies**
4. **Inform Strategic Decisions – act based on understanding causal relationships**