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Outline Talk to ODF Federal Forestland Advisory Committee

1. Definitions—where the discussion often begins and ends
  - a. History of concept
  - b. Generic
  - c. Process
  - d. Structure
  - e. The problem of forest age
  - f. Forest type diversity
  - g. Classes versus indices
2. Processes that create, maintain and destroy old growth—an evolving understanding of old growth in the web of forest change
  - a. Succession
  - b. Stand development
  - c. Landscape dynamics
3. How much older did we have in the past and how much exists now?—searching for a reference
  - a. Depends on definition
  - b. Static vs dynamic view
  - c. Current amounts by ownership and definition
  - d. How much is protected?
4. What is current target amount of older forests on federal lands?
5. What are efforts to reach this target
  - a. Reserves—different types
  - b. Restoration in wetter forests
  - c. Restoration in drier forests
6. Threats to old-growth
  - a. logging
  - b. wildfire and other disturbances
  - c. climate change
7. How should appropriate amount of older forest be determined?
  - a. Species based approaches
  - b. Historical dynamics approaches
  - c. Socio-political processes
8. What federal policies would need to be changed deal with old growth issues?
  - a. What policies deal with old growth today
  - b. Northwest Forest Plan
  - c. Differences between the Plan and its implementation
9. What barriers exist that would prevent current or new policies from being implemented?
  - a. Social
  - b. Legal
  - c. Ecological

Table 1. Area and Percentage of older forest on federal and non-federal land in Oregon (From Spies 2006)

Oregon	Federal		Nonfederal		Federal % of Total	
Province	Medium-Large	Large Multi-story	ML	LMS	ML	LMS
Coast	523,000	296,000	727,000	268,000	42	52
E Cascades	223,000	27,000	94,000	5,000	70	83
W Cascades	1,910,000	734,000	268,000	60,000	88	92
Klamath	719,000	384,000	233,000	87,000	76	81
Willamette	4,600	0	194,000	0	2	0

Medium-Large (ML): =>20 in quadratic mean diameter, single or multi-story

Large Multi-story: => 30 in quadratic mean diameter, multi-story

Table 2. Area of older forest on all federal land (3 States) by definition (table 11, From Moeur et al. 2005):

ML 7,800,000 ac

LMS 2,700,000 ac

Table 3. Area of older forest (ML definition) in by state on federal land by reserve status in area of Northwest Forest Plan. Reserves do not include riparian reserves. (Acreages are somewhat lower than in Table 2 because of smaller landbase used). (Figure 21a, Moeur et al. 2005).

	Oregon	Washington	California	Total
All lands	3,500,000	1,550,000	2,250,000	7,200,000
Reserves	2,200,000 (63%)	1,250,000 (81%)	1,400,000 (62%)	4,850,000 (67%)
Nonreserve	1,300,000	300,000	750,000	2,350,000

#### References:

Moeur, M., T. A. Spies, M. Hemstrom, J. R. Martin, J. Alegria, J. Browning, J. Cissel, W. B. Cohen, T. E. Demeo, S. Healey, and R. Warbington. 2005. Northwest Forest Plan—the first 10 years (1994-2003): status and trend of late-successional and old-growth forest. USDA Forest Service General Technical Report PNW-GTR-646. Portland, OR USA.

Spies, T. A. 2006. Maintaining old-growth forests. In: Haynes, R. W., B. T. Bormann, D. C. Lee, and J. R. Martin, tech. eds. Northwest Forest Plan—the first 10 years (1994-2003): synthesis of monitoring and research results. USDA Forest Service General Technical Report PNW-GTR-651. Portland, OR USA.