

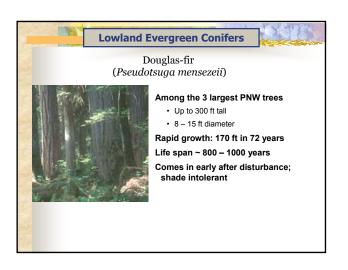
Environment of the Western Hemlock Ecoregion

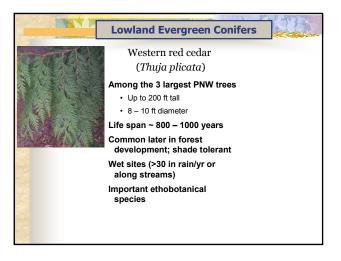
Coastal environment: wet & fairly mild temperatures

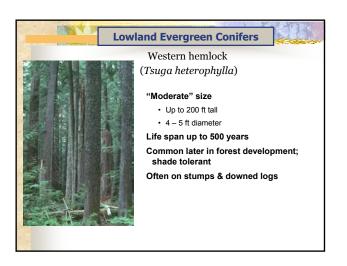
THE R. P. LEWIS CO., LANSING	Ecoregion	Elevation Range (ft.)	Avg. Annual Temp (°F)	Avg annual precip (cm)
	(Seattle) for reference	0	53	86
	Sitka Spruce	0 – 500	52	200 – 300
	Western Hemlock	0 – 2500	47	150 – 300
	Silver Fir	1900 – 4200	42	220 – 280
	Mountain Hemlock	4200 – 5900	39	160 - 280
	Subalpine Fir	4200 - 5800	39	100 - 150
	Alpine	>5000 - >7000	37.5*	46*

Mature Forests of the Western Hemlock Ecroregion

- · Low elevation forests
- Forests originally dominated by large, old evergreen trees
- Western hemlock, western red cedar, Douglas-fir







Mature WH	Annual Net Primary Prod	ductivity of	Ecosystems 7
Forest Ecosystem	Ecosystem Type	Mean NPP g C / m² / yr	Range of NPP g C / m² / yr
Productivity	Terrestrial Uplands		
	Tropical rain forest	2,200	1,000 - 3,500
É	Temperate evergreen forest	1,320	600 - 2,500
	Temperate deciduous forest	1,200	600 - 2,500
WA WH Forests are HIGHLY	Boreal forest	800	400 - 2,000
	Woodland & shrubland	700	250 - 1,200
	Temperate grassland	600	200 - 1,500
productive:	Tundra and alpine	140	10 - 400
	Desert & semidesert scrub	90	10 - 250
	Freshwater Wetlands		
	Swamp & marsh	2,000	800 - 6,000
	Lake and stream	250	100 - 1,500
	Marine		
Lassoie et al. 1985	Algal beds and reefs	2,500	500 - 4,000
	Estuaries	1,800	500 - 4,000
	Open Ocean	125	2 - 400

