

Appendix VII — Comparisons with Other Trees

Typical and Maximum Ages and Dimensions Attained by
Selected Species of Forest Trees on Better Sites in the Pacific Northwest

Species	Typical Age (years)	Maximum Diameter (cm)	Height (m)	Age (years)	Diameter (cm)	Corrected Height (m)
Silver fir (Abies amabilis)	400+	90-110	45-55	590	210	63
Grand fir (*) (Abies grandis)	300+	75-125	40-60	-	217	53
Noble fir (Abies Procera)	400+	100-150	45-70	600+	275	85
Incense-cedar (*) (Calocedrus decurrens)	500+	90-120	45	542+	374	46
Port Oxford cedar (*) (Chamaecyparis lawsoniana)	500+	120-180	60	-	488 (c)	69
Alaska yellow-cedar (Chamaecyparis nootkatensis)	1000+	100-150	30-40	3500	310	34
Western larch (Larix occidentalis)	700+	140	50	915	243 (c)	54
Engelmann spruce (Picea engelmannii)	500+	30-100 (b)	45-50	660 (c)	235	55
Sitka spruce (*) (Picea sitchensis)	700+	180-230	70-75	800 (c)	534	76
Knobcone pine (*) (Pinus attenuata)	150+ (c)	30-60 (c)	3-15 (b)	-	100	30
Lodgepole pine (*) (Pinus contorta)	250+	50-100 (b)	25-35	600 (b)	206	34
Sugar pine (*) (Pinus lambertiana)	400+	100-125	45-55	623 (c)	311	66

Species	Typical Age (years)	Maximum Diameter (cm)	Height (m)	Age (years)	Diameter (cm)	Corrected Height (m)
Western white pine (<i>Pinus monticola</i>)	400+	110	30-50 (b)	615	243 (c)	63
Ponderosa pine (<i>Pinus ponderosa</i>)	600+	75-125	30-50	726	271	49
Douglas-fir (*) (<i>Pseudotsuga menziesii</i>)	750+	150-220	70-80	1375 (c)	518 (c)	67
Coast redwood (<i>Sequoia sempervirens</i>)	1250+	150-380	75-100	2200	820 (a)	92
Pacific yew (*) (<i>Taxus brevifolia</i>)	300+ (c)	30-60 (b)	10-18 (b)	-	142	18
Western redcedar (*) (<i>Thuja plicata</i>)	1000+	150-300	30-50 (b)	1200+	641	37
Western hemlock (*) (<i>Tsuga heterophylla</i>)	400+	90-120	50-65	500+	274 (c)	79
Mountain hemlock (<i>Tsuga mertensiana</i>)	400+	75-100	25-35	800+	224	34
Bigleaf maple (*) (<i>Acer macrophyllum</i>)	300+	50	15	-	250	30
Red alder (*) (<i>Alnus oregona</i>)	100	55-75	30-40	-	152 (c)	-
Pacific madrone (*) (<i>Arbutus menziesii</i>)	-	60-120 (b)	9-40 (b)	225 (b)	299	24
Tanoak (*) (<i>Lithocarpus densiflorus</i>)	180	25-125	15-30	350 (b)	278	30

(After Franklin and Dyrness, 1988; Franklin and Waring, 1980)

Maximum breast-height diameters and their corresponding heights are from Pardo and Provost (1973).

(a) Data from Becking (1968).

(b) Data from Ellas (1989).

(c) Data from Harlow and Harrar (1958).

(*) Species associated with coast redwood according to Becking (1982) and Roy (1966).