



## Forestry Technical Note No. 2 (Revised)

### Culmination of Mean Annual Increment for Commercial Trees of Oregon

The potential productivity of a soil is of considerable interest to land managers. The most common expression of potential productivity for forestland is site index. While it is tempting to state that a soil with a site index of 190 is more productive than a soil with a site index of 140, such a comparison can only be made if the two soils support the same tree species and the site index numbers were derived for the same species from the same equations or tables.

Site index equates to the average height dominant and co-dominant trees on a site will attain at a 'base' age. Example: Site index 70 (50 year base age) means the dominant and co-dominant trees will reach an average of 70 feet in height in 50 years. Site index 120 (100 year base age) means the dominant and co-dominant trees will average 120 feet in height in 100 years.

It is important to understand that the equations used to compute site index tables may vary according to species and that individual species may have more than one set of site index tables. Any given soil may have one or several site index values depending on the number of species it supports.

To facilitate comparing the potential productivity of different soils the attached tables can be used to convert commonly used site index values to potential wood volume production. For comparative purposes culmination of mean annual increment (CMAI) was used to express one value for each site index.

The annual amount of wood fiber produced by a stand of trees changes over time as the stand matures. Very little wood fiber is produced when the trees are small but increases rapidly as the trees approach physiological maturity. Once trees reach maturity the annual growth rate begins to slow. CMAI is the highest average annual volume growth rate. This age or point may be thought of as the most efficient time to harvest as far as tree growth is concerned. Other factors, such as stumpage values, taxes, interest rates, and management objectives affect the "art" of choosing when to harvest.

In the following tables the culmination of mean annual increment (CMAI) and the age when it occurs is shown for the corresponding site index. For example, potential productivity for a site with a site index of 156 (using 100 year base age site index table for Douglas-fir) can be expressed in the following ways:

1. A 90 year old stand will produce 165 cubic feet per acre per year at CMAI, or 9,900 (90 x 165) total cubic feet of wood fiber.
2. A 100 year old stand will produce 780 board feet (Scribner) volume per acre per year at CMAI or 78,000 (100 x 780) total board feet.

At the top of each table is listed the National Plant Symbol, the Site Index Curve number and author. (See National Register of Site Index Curves, NRCS National Forestry Manual).

Culmination of Mean Annual Increment (CMAI) and the age at which it occurs was computed using publications listed below. Metric Conversions: 1 cubic meter per hectare (CU.M./HA) = 14.3 cubic ft. per acre. USDA Misc. Pub. 225 Figure 15. Page 42.

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<b>Curve #</b>	<b>Nat'l Plant Symbol</b>	<b>Reference</b>
030	ABCO	Schumacher, F.X. 1926. <u>Normal Yield Tables for White Fir</u> . Cal. Ag. Exp. Bull. No. 407. Table 1 and Table 2. Cu. Ft. Vol. ≥ 4" DBH, total stem Bd. Ft. Vol. ≥ 8" DBH, 5" top DIB, 16' logs
035	ABGR	Cochran, P.M. 1979 <u>Gross Yield for Even-aged Stands of Douglas-Fir and White or Grand Fir East of the Cascades in Oregon and Washington</u> . USFS Res. Paper PNW- 263. Table 6. Cu. Ft. Vol. ≥ 1.0" DBH, total stem.
040	ABLA	Edminster, C.B. 1980. <u>Englemann Spruce and Subalpine Fir Yield Tables for Managed Stands</u> . USDA Soil Conservation Service West TSC Bull. No. W38- 00-17. Cu. Ft. Vol. ≥ 1" DBH, total stem.
050	ABMA	Schumacher, F.X. 1928. <u>Yield, Stand and Volume Tables for Red Fir in California</u> . CA Ag. Exp. Bull. No. 456. Tables 1 and 2. Cu. Ft. Vol. ≥ 2" DBH, total stem Bd. Ft. Vol. ≥ 8" DBH, 5" top DIB, 16' logs
100	ALRU2	Worthington, M.P. 1990, <u>Normal Yield Tables for Red Alder</u> . USFS Res. Paper 36. Table 11. Cu. Ft. Vol. ≥ 5.5' DBH, 4" top Bd. Ft. Vol. ≥ 9.5" DBH, 8" top DIB, 8' logs
210	JUOC	Sauerwein, W.J. 1982. <u>Western Juniper Site Index Curves</u> . USDA Soil Conservation Service West TSC Tech. Note W000-14 and Unpublished Data.
265	LAOC	Schmidt, W.C. 1976. <u>Ecology and Silviculture of Western Larch Forests</u> . USFS Tech. Bull. 1520. Table 33. Cu. Ft. Vol. ≥ 0.6" DBH, total stem
410	PIEN	Edminster, C.B. 1980. <u>Englemann Spruce and Subalpine Fir Yield Tables for Managed Stands</u> . USDA Soil Conservation Service West TSC Bull. No. W38-00-17. Cu. Ft. Vol. ≥ 1" DBH, total stem
490	PISI	Meyer, W.H. 1937. <u>Yield of Even-aged Stands of Sitka Spruce and Western Hemlock</u> . USFS PNW Tech Bull. 544. Table 5. Cu. Ft. Vol. ≥ 2.6" DBH, total stem
520	PICO	Dahms, W.G. 1964 <u>Gross and Net Yield Tables for Lodgepole Pine</u> . USFS PNW Res. Paper 8. Table 6 (converted to 100 yrs. for Alexander). Cu. Ft. Vol. ≥ 1.0" DBH, total stem.

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<u>Curve #</u>	<u>Nat'l Plant Symbol</u>	<u>Reference</u>
570	PIMO3	Haig, I.T. 1932. <u>Second Growth Yield Stand and Volume Tables for Western White Pine Type.</u> USFS Tech. Bull. No. 323. Table 7. Cu. Ft. Vol. $\geq$ 0.6" DBH, total stem
600	PIPO	Meyer, W.H. 1961. <u>Yield of Even-aged Stands of Ponderosa Pine.</u> USFS Tech. Bull. No. 630. Tables 21, 23, 25. Cu. Ft. Vol. $\geq$ 0.6" DBH, total stem Scribner Vol. $\geq$ 11.6" DBH, 8" top DID, 16'logs Int. 1/8" Vol. $\geq$ 6.6" DBH, 6" top 018, 16'logs
730	POTR5	Baker, F.S. 1925. <u>Aspen in the Central Rocky Mountain Region.</u> USDA Dept. Bull. No. 1291. Table 18. Cu. Ft. Vol. $\geq$ 4.0" DBH, total stem.
765	PSMEG	Cochran, P.H. 1979 <u>Gross Yield for Even-aged Stands of Douglas-fir and White or Grand Fir East of the Cascades in Oregon and Washington.</u> USFS Reg. Paper PNW- 263. Table 5. Cu.Ft. Vol. $\geq$ 1.0" DBH, total stem.
790	PSME	McArdle, R.E. 1961. <u>The Yield of Douglas-fir in the Pacific Northwest.</u> USFS PNW Bull. No. 201 Tables 2, 3, 4. Cu. Ft. Vol. $\geq$ 1.5" DBH, total stem Scribner Vol. $\geq$ 11.6" DBH, 8" top 018, 16'logs Int. 1/8" Vol. $\geq$ 6.6" DBH, 5" top DID, 16'l.ogs
795	PSME	Chambers, C.J. 1972. <u>Empirical Yield Tables for the Douglas-fir Zone.</u> WA. DNR Report No. 20R. Table 4. Cu. Ft. Vol. $\geq$ 7" DBH, total stem
930	SESE3	Lindquist, J.L. 1963. <u>Empirical Yield Tables for Young Growth Redwood.</u> CA Ag. Ex. Sta. Bull. 796. Tables 8 and 16. Cu. Ft. Vol. $\geq$ 4.5" DBH, 4" top DID Int. 1/4" Vol. $\geq$ 10.5" DBH, 8" top DIB
990	TSHE	Barnes, G.M. 1962. <u>Yield of Even-aged Stands of Western Hemlock.</u> USFS Bull. No. 1273. Tables 12, 18, 24. Cu. Ft. Vol. $\geq$ 1.6" DBH, total stem Scribner Vol. $\geq$ 11.6" DBH, 8" top 018, 16'logs Int. 1/4" Vol. $>$ 6.6" DBH, 6" top DIB, 16'logs
995	TSHE	Wiley, Kenneth N., <u>Net and Gross Yields for Natural Stand of Western Hemlock in the Pacific Northwest.</u> Weyerhaeuser Forestry Paper No. 19

SITE INDEX	CMAI FOR WHITE FIR 50 YR. TABLE (ABCO) 030-SCHUMACHER			CMAI FOR GRAND FIR 50 YR. TABLE (ABGR) 035-COCHRAN			CMAI-SUBALPINE FIR 100 YR. TABLE (ABLA) 040-ALEXANDER			CMAI--SHASTA RED FIR 50 YR. TABLE (ABSH) 050-SCHUMACHER		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
20										76	5.3	140
21										79	5.5	140
22										82	5.7	140
23										84	5.9	140
24										87	6.1	140
25										90	6.3	140
26										93	6.5	140
27										96	6.7	140
28										98	6.9	140
29										101	7.1	140
30	51	3.6	70							104	7.3	140
31	52	3.6	70							107	7.5	140
32	54	3.8	70							110	7.7	140
33	55	3.8	70							113	7.9	140
34	56	3.9	70							116	8.1	140
35	57	4.0	70							119	8.3	140
36	59	4.1	70							123	8.6	140
37	60	4.2	70							126	8.8	140
38	61	4.3	70							129	9.0	140
39	63	4.4	70							132	9.2	140
40	64	4.5	70				28	2.0	150	135	9.4	140
41	67	4.7	70				29	2.0	150	139	9.7	140
42	69	4.8	70				30	2.1	145	142	9.9	140
43	72	5.0	70				31	2.2	145	146	10.2	140
44	75	5.2	70				32	2.2	140	149	10.4	140
45	77	5.4	70				33	2.3	140	153	10.7	140
46	80	5.6	70				34	2.4	140	157	11.0	140
47	83	5.8	70				35	2.4	135	160	11.2	140
48	86	6.0	70				36	2.5	135	164	11.5	140
49	88	6.2	70				37	2.6	130	167	11.7	140
50	91	6.4	70	57	4.0	121	39	2.7	130	171	12.0	140
51	95	6.6	70	59	4.1	121	40	2.8	130	175	12.2	140
52	98	6.9	70	60	4.2	121	41	2.9	130	180	12.6	140
53	102	7.1	70	62	4.3	121	42	2.9	125	184	12.9	140
54	106	7.4	70	64	4.5	121	43	3.0	125	188	13.1	140
55	109	7.6	70	66	4.6	120	44	3.1	125	192	13.4	140
56	113	7.9	70	68	4.8	120	45	3.1	125	197	13.8	140
57	117	8.2	70	70	4.9	120	46	3.2	125	201	14.1	140
58	121	8.5	70	72	5.0	120	48	3.4	120	205	14.3	140
59	124	8.7	70	74	5.2	120	49	3.4	120	210	14.7	140

SITE INDEX	CMAI FOR WHITE FIR 50 YR. TABLE (ABCO) 030-SCHUMACHER			CMAI FOR GRAND FIR 50 YR. TABLE (ABGR) 035-COCHRAN			CMAI--SUBALPINE FIR 100 YR. TABLE (ABLA) 040-ALEXANDER			CMAI--SHASTA RED FIR 50 YR. TABLE (ABSH) 050-SCHUMACHER		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
	60	128	9.0	70	76	5.3	120	50	3.5	120	214	15.0
61	131	9.2	70	78	5.5	119	51	3.6	120			
62	135	9.4	70	79	5.5	119	52	3.6	120			
63	138	9.7	70	81	5.7	118	53	3.7	115			
64	142	9.9	70	83	5.8	117	55	3.8	115			
65	145	10.1	70	85	5.9	116	56	3.9	115			
66	149	10.4	70	87	6.1	116	57	4.0	115			
67	152	10.6	70	89	6.2	115	59	4.1	115			
68	156	10.9	70	91	6.4	114	60	4.2	110			
69	159	11.1	70	93	6.5	114	61	4.3	110			
70	163	11.4	70	95	6.6	113	63	4.4	110			
71	166	11.6	70	97	6.8	112	64	4.5	110			
72	170	11.9	70	98	6.9	112	65	4.5	110			
73	173	12.1	70	100	7.0	111	66	4.6	105			
74	176	12.3	70	102	7.1	111	68	4.8	105			
75	179	12.5	70	104	7.3	110	69	4.8	105			
76	183	12.8	70	106	7.4	109	70	4.9	105			
77	186	13.0	70	108	7.6	109	72	5.0	105			
78	189	13.2	70	110	7.7	108	73	5.1	100			
79	193	13.5	70	112	7.8	108	74	5.2	100			
80	196	13.7	70	114	8.0	107	76	5.3	100			
81	198	13.8	70	116	8.1	106	77	5.4	100			
82	200	14.0	70	118	8.3	105	79	5.5	100			
83	202	14.1	70	120	8.4	104	80	5.6	95			
84	204	14.3	70	122	8.5	103	82	5.7	95			
85	206	14.4	70	124	8.7	102	83	5.8	95			
86	209	14.6	70	125	8.7	100	85	5.9	95			
87	211	14.8	70	127	8.9	99	86	6.0	95			
88	213	14.9	70	129	9.0	98	88	6.2	90			
89	215	15	70	131	9.2	97	89	6.2	90			
90	217	15.2	70	133	9.3	96	91	6.4	90			
91				135	9.4	95	92	6.4	90			
92				137	9.6	95	94	6.6	90			
93				139	9.7	94	96	6.7	90			
94				141	9.9	93	97	6.8	90			
95				143	10.0	92	99	6.9	90			
96				145	10.1	92	100	7.0	90			
97				147	10.3	91	102	7.1	90			
98				149	10.4	90	104	7.3	90			
99				151	10.6	90	106	7.4	90			

SITE INDEX	CMAI FOR GRAND FIR 50 YR. TABLE (ABGR) 035-COCHRAN			CMAI--SUBALPINE FIR 100 YR. TABLE (ABLA) 040-ALEXANDER		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
	100	153	10.7	89	109	7.6
101	155	10.8	88	111	7.8	85
102	157	11.0	88	113	7.9	85
103	159	11.1	87	114	8.0	85
104	161	11.3	87	116	8.1	85
105	163	11.4	86	118	8.3	85
106	165	11.5	85	120	8.4	85
107	167	11.7	85	122	8.5	85
108	169	11.8	84	123	8.6	85
109	171	12.0	84	125	8.7	85
110	173	12.1	83	127	8.9	85
111				129	9.0	80
112				130	9.1	80
113				132	9.2	80
114				134	9.4	80
115				136	9.5	80
116				138	9.7	80
117				140	9.8	80
118				141	9.9	80
119				143	10.0	80
120				145	10.1	80

SITE INDEX	CMAI FOR RED ALDER			CMAI FOR WESTERN JUNIPER			CMAI FOR WESTERN LARCH			CMAI FOR ENGLEMANN SPRUCE					
	50 YR. TABLE (ALRU2)			50 YR. TABLE (JUOC)			50 YR. TABLE (LAOC)			100 YR. TABLE (PIEN)					
	100-WORTHINGTON	210-BARRETT-	265-SCHMIDT	410-ALEXANDER	CU.FT./	CU.M./	TOTAL	CU.FT./	CU.M./	TOTAL	CU.FT./	CU.M./	TOTAL		
AC./YR.	HA./YR.	AGE	AC./YR.	HA./YR.	AGE	AC./YR.	HA./YR.	AGE	AC./YR.	HA./YR.	AGE	AC./YR.	HA./YR.	AGE	
15				15	1.0	100									
16				15	1.0	100									
17				15	1.0	100									
18				15	1.0	100									
19				15	1.0	100									
20				30	2.0	100									
21				30	2.0	100									
22				30	2.0	100									
23				30	2.0	100									
24				30	2.0	100									
25				30	2.0	100									
26				30	2.0	100									
27				30	2.0	100									
28				30	2.0	100									
29				30	2.0	100									
30				45	3.0	100	31	2.2	70						
31				45	3.0	100	32	2.2	70						
32				45	3.0	100	34	2.4	70						
33				45	3.0	100	36	2.5	70						
34				45	3.0	100	37	2.6	70						
35				45	3.0	100	39	2.7	70						
36							40	2.8	70						
37							42	2.9	70						
38							43	3.0	70						
39							45	3.1	70						
40							46	3.2	70	28	2.0	150			
41							48	3.4	70	29	2.0	150			
42							50	3.5	70	30	2.1	145			
43							51	3.6	70	31	2.2	145			
44							53	3.7	70	32	2.2	140			
45							55	3.8	70	33	2.3	140			
46							56	3.9	70	34	2.4	140			
47							58	4.1	70	35	2.4	135			
48							60	4.2	70	36	2.5	135			
49							61	4.3	70	37	2.6	130			

SITE INDEX	CMAI FOR RED ALDER					CMAI FOR WESTERN JUNIPER			CMAI FOR WESTERN LARCH			CMAI FOR ENGLEMAN SPRUCE		
	50 YR. TABLE (ALRU2)					50 YR. TABLE (JUOC)			50 YR. TABLE (LAOC)			100 YR. TABLE (PIEN)		
	100-WORTHINGTON					210-BARRETT-			265-SCHMIDT			410-ALEXANDER		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT. AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
50									63	4.4	70	39	2.7	130
51									65	4.5	70	40	2.8	130
52									67	4.7	70	41	2.9	130
53									69	4.8	70	42	2.9	125
54									70	4.9	70	43	3.0	125
55									72	5.0	70	44	3.1	125
56									74	5.2	70	45	3.1	125
57									76	5.3	70	46	3.2	125
58									78	5.5	70	48	3.4	120
59									80	5.6	70	49	3.4	120
60	50	3.5	35	126	65				81	5.7	70	50	3.5	120
61	51	3.6	35	137	65				83	5.8	70	51	3.6	120
62	53	3.7	35	147	65				85	5.9	70	52	3.6	120
63	55	3.8	35	158	65				87	6.1	70	53	3.7	115
64	56	3.9	37	169	65				89	6.2	70	55	3.8	115
65	58	4.1	37	179	70				91	6.4	70	56	3.9	115
66	60	4.2	37	190	70				93	6.5	70	57	4.0	115
67	61	4.3	40	201	70				95	6.6	70	59	4.1	115
68	63	4.4	40	212	70				97	6.8	70	60	4.2	110
69	65	4.5	40	223	70				99	6.9	70	61	4.3	110
70	66	4.6	40	234	70				101	7.1	70	63	4.4	110
71	68	4.8	40	246	70				103	7.2	70	64	4.5	110
72	70	4.9	40	258	75				105	7.3	70	65	4.5	110
73	72	5.0	40	270	75				107	7.5	70	66	4.6	105
74	73	5.1	40	283	75				109	7.6	70	68	4.8	105
75	75	5.2	40	295	75				111	7.8	70	69	4.8	105
76	77	5.4	40	308	75				113	7.9	70	70	4.9	105
77	79	5.5	40	320	75				116	8.1	70	72	5.0	105
78	80	5.6	40	332	75				118	8.3	70	73	5.1	100
79	82	5.7	40	345	75				120	8.4	70	74	5.2	100
80	84	5.9	40	357	75				122	8.5	70	76	5.3	100
81	86	6.0	40	370	75							77	5.4	100
82	87	6.1	40	382	75							79	5.5	100
83	89	6.2	40	394	75							80	5.6	95
84	91	6.4	40	407	75							82	5.7	95
85	92	6.4	40	419	75							83	5.8	95
86	94	6.6	40	432	75							85	5.9	95
87	96	6.7	40	444	75							86	6.0	95
88	97	6.8	40	457	70							88	6.2	90
89	99	6.9	40	470	70							89	6.2	90



SITE INDEX	CMAI FOR RED ALDER							CMAI FOR SPRUCE		
	50 YR. TABLE (ALRU2)							100 YR. TABLE (PIEN)		
	100-WORTHINGTON							410-ALEXANDER		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT. AC./YR.	TOTAL AGE			CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
90	101	7.1	40	483	70			91	6.4	90
91	102	7.1	40	496	70			92	6.4	90
92	104	7.3	40	509	70			94	6.6	90
93	106	7.4	40	521	70			96	6.7	90
94	108	7.6	40	534	70			97	6.8	90
95	109	7.6	40	547	70			99	6.9	90
96	111	7.8	40	560	70			100	7.0	90
97	113	7.9	40	573	70			102	7.1	90
98	115	8.0	40	586	70			104	7.3	90
99	116	8.1	40	599	70			106	7.4	90
100	118	8.3	40	611	70			109	7.6	90
101	120	8.4	40	625	70			111	7.8	85
102	121	8.5	40	638	70			113	7.9	85
103	123	8.6	40	651	70			114	8.0	85
104	125	8.7	40	665	70			116	8.1	85
105	127	8.9	40	678	70			118	8.3	85
106	128	9.0	40	691	70			120	8.4	85
107	130	9.1	40	704	70			122	8.5	85
108	132	9.2	40	718	75			123	8.6	85
109	133	9.3	40	732	75			125	8.7	85
110	135	9.4	40	745	75			127	8.9	85
111	137	9.6	40	790	75			129	9.0	80
112	138	9.7	40	775	80			130	9.1	80
113	140	9.8	40	760	80			132	9.2	80
114	142	9.9	40	805	85			134	9.4	80
115	144	10.1	40	821	85			136	9.5	80
116	145	10.1	42	836	85			138	9.7	80
117	147	10.3	42	852	90			140	9.8	80
118	149	10.4	42	867	90			141	9.9	80
119	150	10.5	42	883	90			143	10.0	80
120	152	10.6	42	899	90			145	10.1	80

SITE INDEX	CMAI FOR SITKA 100 YR. TABLE (PISI) 490-MEYER			CMAI--LODGEPOLE PINE 100 YR. TABLE (PICO) 520-ALEXANDER			CMAI FOR WESTERN WHITE PINE 100 YR. TABLE (PIMO3) 570-HAIG			CMAI FOR PONDEROSA PINE 100 YR. TABLE (PIPO) 600-MEYER						
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	SCRIBNER		INTER. 1/8"				
										BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE			
27							62	4.3	100							
28							64	4.5	100							
29							65	4.5	100							
30							67	4.7	100							
31							69	4.8	100							
32							70	4.9	100							
33							72	5.0	100							
34							74	5.2	100							
35							75	5.2	100							
36							77	5.4	100							
37							79	5.5	100							
38							81	5.7	100							
39							82	5.7	100							
40							84	5.9	100	30	2.1	60	55	200	84	200
41							86	6.0	100	31	2.2	60	59	200	88	200
42							87	6.1	100	31	2.2	60	63	200	93	200
43							89	6.2	100	32	2.2	60	67	200	98	200
44							91	6.4	100	33	2.3	60	71	200	102	200
45				36	2.5	100	92	6.4	100	34	2.4	60	75	200	107	200
46				37	2.6	100	94	6.6	100	34	2.4	60	79	200	111	200
47				38	2.7	100	96	6.7	100	35	2.4	60	83	200	116	200
48				39	2.7	100	98	6.9	100	36	2.5	60	87	200	121	200
49				40	2.8	100	99	6.9	100	37	2.6	60	91	200	125	200
50				41	2.9	100	101	7.1	100	38	2.7	60	95	200	130	200
51				41	2.9	100	103	7.2	100	38	2.7	60	98	200	134	200
52				42	2.9	100	104	7.3	100	39	2.7	60	102	200	139	200
53				43	3.0	100	106	7.4	100	40	2.8	60	105	200	143	200
54				44	3.1	100	108	7.6	100	41	2.9	60	109	200	147	200
55				45	3.1	100	110	7.7	100	42	2.9	60	112	200	152	200
56				46	3.2	100	111	7.8	100	42	2.9	60	115	200	156	200
57				47	3.3	100	113	7.9	100	43	3.0	60	119	200	160	200
58				48	3.4	100	115	8.0	100	44	3.1	60	122	200	164	200
59				49	3.4	100	116	8.1	100	45	3.1	60	126	200	169	200

SITE INDEX	CMAI FOR SITKA 100 YR. TABLE (PISI) 490-MEYER			CMAI--Lodgepole Pine 100 YR. TABLE (PICO) 520-ALEXANDER			CMAI FOR WESTERN WHITE PINE 100 YR. TABLE (PIMO3) 570-HAIG			CMAI FOR PONDEROSA PINE 100 YR. TABLE (PIPO) 600-MEYER						
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	SCRIBNER		INTER. 1/8"	
													BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE
60	40	2.8	70	50	3.5	100	118	8.3	100	46	3.2	50	129	190	177	160
61	41	2.9	70	50	3.5	100	120	8.4	100	47	3.3	50	133	190	182	160
62	43	3.0	70	51	3.6	100	121	8.5	100	48	3.4	50	137	190	187	160
63	44	3.1	70	52	3.6	100	123	8.6	100	49	3.4	50	142	190	192	160
64	46	3.2	70	53	3.7	100	125	8.7	100	50	3.5	50	146	190	198	160
65	47	3.3	70	54	3.8	100	126	8.8	100	50	3.5	50	150	190	203	160
66	49	3.4	70	55	3.8	100	128	9.0	100	51	3.6	50	154	190	208	160
67	50	3.5	70	56	3.9	100	130	9.1	100	52	3.6	50	158	190	213	160
68	51	3.6	70	57	4.0	100	132	9.2	100	53	3.7	50	166	190	218	160
69	53	3.7	70	58	4.1	100	133	9.3	100	54	3.8	50	167	190	224	160
70	54	3.8	70	59	4.1	100	135	9.4	100	55	3.8	50	172	160	232	130
71	56	3.9	70	60	4.2	100	137	9.6	100	56	3.9	50	177	160	240	130
72	57	4.0	70	61	4.3	100	139	9.7	100	58	4.1	50	182	160	247	130
73	59	4.1	70	62	4.3	100	141	9.9	100	59	4.1	50	188	160	255	130
74	60	4.2	70	63	4.4	100	143	10.0	100	60	4.2	50	193	160	263	130
75	61	4.3	70	64	4.5	100	144	10.1	100	62	4.3	50	198	160	270	130
76	63	4.4	70	65	4.5	100	146	10.2	100	63	4.4	50	203	160	278	130
77	64	4.5	70	66	4.6	100	148	10.3	100	64	4.5	50	209	160	285	130
78	66	4.6	70	67	4.7	100	150	10.5	100	65	4.5	50	214	160	293	130
79	67	4.7	70	68	4.8	100	152	10.6	100	67	4.7	50	219	160	300	130
80	69	4.8	70	69	4.8	100	154	10.8	100	69	4.8	40	225	150	313	110
81	71	4.9	70	70	4.9	100	156	10.9	100	70	4.9	40	232	150	321	110
82	73	5.1	70	71	5.0	100	158	11.0	100	72	5.0	40	238	150	330	110
83	75	5.2	70	72	5.0	100	160	11.2	100	74	5.2	40	245	150	339	110
84	77	5.4	70	73	5.1	100	162	11.3	100	75	5.2	40	252	150	347	110
85	79	5.5	70	74	5.2	100	164	11.5	100	77	5.4	40	258	150	356	110
86	81	5.6	70	75	5.2	100	165	11.5	100	78	5.5	40	265	150	365	110
87	83	5.8	70	76	5.3	100	167	11.7	100	80	5.6	40	271	150	373	110
88	85	5.9	70	77	5.4	100				82	5.7	40	278	150	382	110
89	87	6.1	70	78	5.5	100				83	5.8	40	284	150	391	110
90	89	6.2	70	79	5.5	100				85	5.9	40	292	130	403	100
91	90	6.3	70	80	5.6	100				87	6.1	40	300	130	413	100
92	92	6.4	70	81	5.7	100				88	6.2	40	308	130	423	100
93	94	6.6	70	82	5.7	100				90	6.3	40	316	130	433	100
94	95	6.7	70	83	5.8	100				92	6.4	40	324	130	443	100
95	97	6.8	70	84	5.9	100				94	6.6	40	332	130	453	100
96	99	6.9	70	85	5.9	100				96	6.7	40	340	130	463	100
97	101	7.0	70	86	6.0	100				98	6.8	40	348	130	473	100
98	102	7.2	70	87	6.1	100				99	6.9	40	356	130	483	100
99	104	7.3	70	88	6.2	100				101	7.1	40	364	130	493	100

SITE INDEX	CMAI FOR SITKA 100 YR. TABLE (PISI) 490-MEYER			CMAI--LODGEPOLE PINE 100 YR. TABLE (PICO) 520-ALEXANDER			CMAI FOR WESTERN WHITE PINE 100 YR. TABLE (PIMO3) 570-HAIG			CMAI FOR PONDEROSA PINE 100 YR. TABLE (PIPO) 600-MEYER						
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	SCRIBNER		INTER. 1/8"				
									CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	
100	106	7.4	70	89	6.2	100				102	7.1	40	372	120	507	90
101	108	7.6	70	90	6.3	100				104	7.3	40	381	120	519	90
102	110	7.7	70	91	6.4	100				106	7.4	40	390	120	530	90
103	113	7.9	70	92	6.4	100				108	7.6	40	399	120	542	90
104	115	8.0	70	93	6.5	100				110	7.7	40	408	120	554	90
105	117	8.2	70	94	6.6	100				112	7.8	40	417	120	566	90
106	119	8.4	70	95	6.6	100				114	8.0	40	426	120	578	90
107	122	8.5	70	96	6.7	100				116	8.1	40	435	120	590	90
108	124	8.7	70	97	6.8	100				118	8.3	40	444	120	602	90
109	126	8.8	70	98	6.9	100				120	8.4	40	453	120	614	90
110	129	9.0	70	99	6.9	100				122	8.5	40	462	110	626	80
111	131	9.2	70	100	7.0	100				124	8.7	40	473	110	641	80
112	133	9.3	70	101	7.1	100				126	8.8	40	484	110	657	80
113	135	9.5	70	102	7.1	100				128	9.0	40	495	110	672	80
114	138	9.6	70	103	7.2	100				130	9.1	40	506	110	687	80
115	140	9.8	70	104	7.3	100				132	9.2	40	517	110	702	80
116	142	10.0	70	105	7.3	100				134	9.4	40	528	110	717	80
117	145	10.1	70	106	7.4	100				136	9.5	40	539	110	732	80
118	147	10.3	70	107	7.5	100				137	9.6	40	550	110	747	80
119	149	10.4	70	108	7.6	100				139	9.7	40	561	110	762	80
120	151	10.6	70	109	7.6	100				141	9.9	40	572	110	776	70
121	154	10.8	70							144	10.1	40	584	110	793	70
122	156	10.9	70							146	10.2	40	597	110	810	70
123	159	11.1	70							149	10.4	40	610	110	827	70
124	161	11.3	70							151	10.7	40	622	110	844	70
125	164	11.4	70							154	10.8	40	635	110	861	70
126	166	11.6	70							156	10.9	40	647	110	879	70
127	168	11.8	70							159	11.1	40	660	110	896	70
128	171	11.9	70							161	11.3	40	672	110	913	70
129	173	12.1	70							164	11.5	40	685	110	930	70
130	176	12.3	70							166	11.6	40	700	100	947	70
131	178	12.4	70							168	11.7	40	714	100	964	70
132	180	12.6	70							170	11.9	40	729	100	981	70
133	183	12.8	70							173	12.1	40	743	100	998	70
134	185	12.9	70							175	12.2	40	758	100	1015	70
135	187	13.1	70							177	12.4	40	772	100	1031	70
136	189	13.2	70							179	12.5	40	786	100	1048	70
137	192	13.4	70							181	12.7	40	801	100	1065	70
138	194	13.6	70							183	12.8	40	815	100	1082	70
139	196	13.7	70							185	12.9	40	830	100	1099	70

SITE INDEX	CMAI FOR SITKA 100 YR. TABLE (PISI) 490-MEYER			CMAI--LODGEPOLE PINE 100 YR. TABLE (PICO) 520-ALEXANDER			CMAI FOR WESTERN WHITE PINE 100 YR. TABLE (PIMO3) 570-HAIG			CMAI FOR PONDEROSA PINE 100 YR. TABLE (PIPO) 600-MEYER					
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	SCRIBNER		INTER. 1/8"			
										BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE		
140	199	13.9	70						188	13.1	40	844	100	1116	70
141	201	14.0	70						190	13.3	40	859	100	1133	70
142	203	14.2	70						192	13.4	40	873	100	1150	70
143	205	14.3	70						194	13.6	40	888	100	1168	70
144	207	14.4	70						197	13.8	40	903	100	1185	70
145	209	14.6	70						199	13.9	40	918	100	1202	70
146	211	14.7	70						201	14.1	40	932	100	1219	70
147	213	14.9	70						203	14.2	40	947	100	1237	70
148	215	15.0	70						205	14.3	40	962	100	1254	70
149	217	15.1	70						208	14.5	40	976	100	1271	70
150	219	15.3	70						210	14.7	40	991	90	1289	70
151	221	15.4	70						212	14.8	40	1006	90	1307	70
152	223	15.6	70						215	15.0	40	1022	90	1325	70
153	225	15.7	70						217	15.2	40	1037	90	1343	70
154	227	15.9	70						220	15.4	40	1052	90	1361	70
155	229	16.0	70						222	15.5	40	1068	90	1379	70
156	231	16.2	70						224	15.7	40	1083	90	1397	70
157	234	16.3	70						227	15.9	40	1098	90	1416	70
158	236	16.5	70						229	16.0	40	1114	90	1434	70
159	238	16.6	70						232	16.2	40	1129	90	1452	70
160	240	16.8	70						234	16.4	40	1134	90	1472	60
161	242	16.9	70												
162	243	17.0	70												
163	245	17.1	70												
164	246	17.2	70												
165	248	17.3	70												
166	249	17.4	70												
167	251	17.6	70												
168	253	17.7	70												
169	254	17.8	70												
170	256	17.9	70												
171	257	18.0	70												
172	259	18.1	70												
173	260	18.2	70												
174	262	18.3	70												
175	264	18.4	70												
176	265	18.5	70												
177	267	18.7	70												
178	268	18.8	70												
179	270	18.9	70												

SITE INDEX	CMAI--SITKA SPRUCE 100 YR. TABLE (PISI) 490-MEYER			CMA--LODGEPOLE PINE 100 YR. TABLE (PICO) 520-ALEXANDER			CMAI FOR WESTERN WHITE PINE 100 YR. TABLE (PIMO3) 570-HAIG			CMAI FOR PONDEROSA PINE 100 YR. TABLE (PIPO) 600-MEYER						
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	SCRIBNER BD.FT./ AC./YR.	TOTAL AGE	INTER. 1/8" BD.FT./ AC./YR.	TOTAL AGE
180	271	19.0	70													
181	273	19.1	70													
182	274	19.2	70													
183	276	19.3	70													
184	277	19.4	70													
185	279	19.5	70													
186	280	19.6	70													
187	281	19.7	70													
188	283	19.8	70													
189	284	19.9	70													
190	286	20.0	70													
191	287	20.1	70													
192	289	20.2	70													
193	290	20.3	70													
194	291	20.4	70													
195	293	20.5	70													
196	294	20.6	70													
197	296	20.7	70													
198	297	20.8	70													
199	299	20.9	70													
200	300	21.0	70													

SITE INDEX	CMAI--QUAKING ASPEN 50 YR. TABLE (POTR5) 730-BAKER			CMAI FOR DOUGLAS FIR EASTSIDE 50 YR. TABLE (PSMEG) 765-COCHRAN			CMAI FOR DOUGLAS FIR WESTSIDE 100 YR. TABLE (PSME) 790-McARDLE SCRIBNER INTER. 1/8"					CMAI FOR DOUGLAS WESTSIDE 50 YR. (PSME) 795-KING				
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
40	16	1.1	110													
41	17	1.2	110													
42	18	1.3	110													
43	19	1.3	110													
44	20	1.4	110													
45	20	1.4	110													
46	21	1.5	100													
47	22	1.5	100													
48	23	1.6	100													
49	24	1.7	100													
50	25	1.7	100	29	2.0	116										
51	25	1.7	100	30	2.1	115										
52	26	1.8	100	32	2.2	115										
53	27	1.9	100	34	2.4	114										
54	28	2.0	100	35	2.4	114										
55	28	2.0	100	36	2.5	113										
56	29	2.0	100	38	2.7	112										
57	30	2.1	100	40	2.8	112										
58	31	2.2	100	41	2.9	111										
59	31	2.2	100	42	2.9	111										
60																
61	32	2.2	100	44	3.1	110										
62	33	2.3	100	46	3.2	109										
63	34	2.4	100	47	3.3	109										
64	34	2.4	100	49	3.4	108										
65	35	2.4	100	51	3.6	107										
66	36	2.5	100	52	3.6	106										
67	36	2.5	80	54	3.8	106										
68	37	2.6	80	56	3.9	105										
69	38	2.7	80	58	4.1	104										
70	38	2.7	80	59	4.1	104										
71	39	2.7	80	61	4.3	103							79	5.5	90	
72	40	2.8	80	63	4.4	102							81	5.6	90	
73	41	2.9	80	65	4.5	102							83	5.8	90	
74	41	2.9	80	67	4.7	101							84	5.9	90	
75	42	2.9	80	69	4.8	101							86	6.0	90	
76	43	3.0	80	71	5.0	100							89	6.2	90	
77	44	3.1	80	73	5.1	99							91	6.3	90	
78	45	3.1	80	75	5.2	99							93	6.5	90	
79	46	3.2	80	77	5.4	99							94	6.6	90	
80	47	3.3	80	79	5.5	99							96	6.7	90	

SITE INDEX	CMAI--QUAKING ASPEN 50 YR. TABLE (POTR5) 730-BAKER			CMAI FOR DOUGLAS FIR EASTSIDE 50 YR. TABLE (PSMEG) 765-COCHRAN			CMAI FOR DOUGLAS FIR WESTSIDE 100 YR. TABLE (PSME) 790-McARDLE SCRIBNER INTER. 1/8"						CMAI FOR DOUGLAS WESTSIDE 50 YR. (PSME) 795-KING			
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
80	48	3.4	80	81	5.7	97	58	4.1	70	146	160	291	110	98	6.8	90
81	49	3.4	80	83	5.8	96	60	4.2	70	151	160	299	110	100	7.0	90
82	50	3.5	80	86	6.0	96	61	4.3	70	156	160	307	110	102	7.1	90
83	51	3.6	70	88	6.2	95	62	4.3	70	162	160	316	110	103	7.2	90
84	52	3.6	70	90	6.3	94	63	4.4	70	167	160	324	110	105	7.4	90
85	53	3.7	70	92	6.4	94	64	4.5	70	172	160	332	110	107	7.5	90
86	54	3.8	70	95	6.6	93	66	4.6	70	178	160	340	110	109	7.6	90
87	55	3.8	70	97	6.8	92	67	4.7	70	183	160	348	110	111	7.7	90
88	56	3.9	70	99	6.9	91	68	4.8	70	189	160	356	110	113	7.9	90
89	58	4.1	70	102	7.1	91	69	4.8	70	194	160	365	110	114	8.0	90
90	59	4.1	70	104	7.3	90	70	4.9	60	199	160	373	110	116	8.1	90
91				107	7.5	89	72	5.0	60	206	160	382	110	118	8.2	90
92				109	7.6	88	73	5.1	60	212	160	391	110	120	8.4	90
93				112	7.8	87	74	5.2	60	219	160	401	110	122	8.5	90
94				114	8.0	86	75	5.3	60	225	160	410	110	123	8.6	90
95				117	8.2	84	77	5.4	60	232	160	420	110	125	8.8	90
96				120	8.4	83	78	5.5	60	238	160	429	110	128	9.0	90
97				122	8.5	82	79	5.5	60	244	150	438	110	130	9.1	90
98				125	8.7	81	81	5.7	60	251	150	448	110	132	9.2	90
99				127	8.9	80	82	5.7	60	258	150	457	110	134	9.4	90
100				130	9.1	79	84	5.9	60	264	150	467	100	136	9.5	90
101				133	9.3	78	85	5.9	60	273	150	478	100	138	9.6	90
102				136	9.5	78	86	6.0	60	280	150	490	100	140	9.8	90
103				139	9.7	77	88	6.2	60	288	150	501	100	141	9.9	90
104				142	9.9	76	89	6.2	60	296	150	512	100	143	10.0	90
105				145	10.1	76	91	6.3	60	304	150	524	100	145	10.1	90
106				148	10.3	75	92	6.4	60	312	150	535	100	147	10.3	90
107				151	10.6	74	94	6.6	60	320	140	547	100	149	10.4	90
108				154	10.8	73	95	6.6	60	329	140	558	100	150	10.5	90
109				157	11.0	73	97	6.8	60	337	140	569	100	152	10.6	90
110				190	11.2	72	98	6.9	60	345	140	581	100	154	10.8	90
111							100	7.0	60	354	140	594	100	156	10.9	90
112							101	7.1	60	363	140	606	100	158	11.0	90
113							103	7.2	60	372	130	619	100	160	11.2	90
114							105	7.3	60	381	130	631	100	162	11.3	90
115							106	7.4	60	390	130	644	90	163	11.4	90
116							108	7.6	60	399	130	656	90	167	11.7	90
117							110	7.7	60	408	130	669	90	169	11.8	90
118							111	7.8	60	418	130	681	90	171	11.9	90
119							113	7.9	60	427	130	694	90	173	12.1	90



SITE INDEX	CMAI FOR DOUGLAS FIR WESTSIDE 100 YR. TABLE (PSME)						CMAI FOR DOUGLAS WESTSIDE 50 YR. (PSME)			
	790-McARDLE			SCRIBNER			INTER. 1/8"			
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD./FT./ AC./YR.	TOTAL AGE	BD./FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
120	115	8.0	60	437	120	710	90	175	12.2	90
121	116	8.1	60	446	120	723	90	176	12.3	90
122	118	8.3	60	456	120	736	90	178	12.5	90
123	119	8.3	60	465	120	749	90	180	12.6	90
124	121	8.5	60	475	120	762	90	182	12.7	90
125	122	8.5	60	485	120	776	90	184	12.9	90
126	124	8.7	60	494	120	789	90	186	13.0	90
127	125	8.7	60	504	120	802	90	188	13.1	90
128	127	8.9	60	513	120	815	90	190	13.2	90
129	128	9.0	60	523	120	828	90	191	13.4	90
130	129	9.0	60	532	110	841	90	193	13.5	90
131	131	9.2	60	542	110	853	90	195	13.6	90
132	133	9.3	60	552	110	865	90	197	13.8	90
133	134	9.4	60	562	110	877	90	199	13.9	90
134	136	9.5	60	572	110	889	90	201	14.0	90
135	138	9.7	60	581	110	901	80	203	14.2	90
136	139	9.7	60	591	110	914	80	207	14.5	90
137	140	9.8	60	601	110	927	80	209	14.6	90
138	142	9.9	60	611	110	940	80	210	14.7	90
139	144	10.1	60	621	110	953	80	212	14.8	90
140	145	10.1	60	631	110	966	80	214	15.0	90
141	146	10.2	60	640	110	978	80	216	15.1	90
142	148	10.3	60	649	110	990	80	218	15.2	90
143	149	10.4	60	658	110	1002	80	220	15.4	90
144	150	10.5	60	667	110	1014	80	222	15.5	90
145	152	10.6	60	676	110	1026	80	224	15.6	90
146	153	10.7	60	686	100	1037	80	226	15.8	90
147	154	10.8	60	695	100	1049	80	227	15.9	90
148	156	10.9	60	705	100	1061	80	229	16.0	90
149	157	11.0	60	714	100	1073	80	231	16.2	90
150	158	11.1	60	724	100	1085	80	233	16.3	90
151	159	11.1	60	733	100	1096	80	235	16.4	90
152	161	11.3	60	743	100	1106	80	237	16.6	90
153	162	11.3	60	752	100	1117	80	239	16.7	90
154	163	11.4	60	762	100	1127	80	241	16.8	90
155	164	11.5	60	771	100	1138	80	243	17.0	90
156	165	11.5	60	780	100	1148	80	244	17.1	90
157	167	11.7	60	790	100	1159	80	246	17.2	90
158	168	11.8	60	799	100	1169	80	248	17.4	90
159	169	11.8	60	809	100	1180	80	250	17.5	90

SITE INDEX	CMAI FOR DOUGLAS FIR WESTSIDE 100 YR. TABLE (PSME)								CMAI FOR DOUGLAS WESTSIDE 50 YR. (PSME)				
	790-McARDLE				SCRIBNER				INTER. 1/8"		795-KING		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	
160	170	11.9	60	818	100	1190	80	252	17.6	90			
161	171	12.0	60	827	100	1200	80						
162	172	12.0	60	835	100	1209	80						
163	173	12.1	60	844	100	1219	80						
164	174	12.2	60	852	100	1228	80						
165	176	12.3	60	861	100	1238	80						
166	177	12.4	60	870	100	1247	80						
167	178	12.5	60	878	100	1257	80						
168	179	12.5	60	887	100	1266	80						
169	180	12.6	60	895	100	1276	80						
170	181	12.7	60	904	100	1285	80						
171	182	12.7	60	912	100	1295	80						
172	183	12.8	60	921	100	1305	80						
173	184	12.9	60	930	100	1315	80						
174	185	12.9	60	938	100	1325	80						
175	186	13.0	60	946	100	1336	80						
176	187	13.1	60	955	100	1346	80						
177	188	13.2	60	964	90	1356	80						
178	189	13.2	60	973	90	1366	80						
179	190	13.3	60	982	90	1376	80						
180	191	13.4	60	991	90	1386	80						
181	192	13.4	60	1000	90	1395	80						
182	193	13.5	60	1009	90	1404	80						
183	194	13.6	60	1018	90	1413	80						
184	194	13.6	60	1027	90	1422	80						
185	195	13.6	60	1036	90	1431	80						
186	196	13.7	60	1044	90	1440	80						
187	197	13.7	60	1053	90	1449	80						
188	198	13.9	60	1062	90	1458	80						
189	199	13.9	60	1071	90	1467	80						
190	200	14.0	60	1080	90	1476	80						
191	201	14.1	60	1088	90	1484	80						
192	202	14.1	60	1097	90	1493	80						
193	202	14.1	60	1105	90	1501	80						
194	203	14.2	60	1114	90	1509	80						
195	204	14.3	60	1122	90	1518	80						
196	205	14.3	60	1131	90	1526	80						
197	206	14.4	60	1139	90	1534	80						
198	207	14.5	60	1148	90	1542	80						
199	208	14.6	60	1156	90	1551	80						

SITE INDEX	CMAI FOR DOUGLAS FIR WESTSIDE 100 YR. TABLE (PSME) 790-McARDLE							
				SCRIBNER		INTER. 1/8"		
	CU.FT./	CU.M./	TOTAL	BD./FT./	TOTAL	BD.FT./	TOTAL	
	AC./YR.	HA./YR.	AGE	AC./YR.	AGE	AC./YR.	AGE	
200	208	14.6	60	1164	90	1559	80	
201	209	14.6	60	1173	90	1567	80	
202	210	14.7	60	1181	90	1575	80	
203	211	14.8	60	1189	90	1583	80	
204	211	14.8	60	1198	90	1591	80	
205	212	14.8	60	1206	90	1599	80	
206	213	14.9	60	1214	90	1607	80	
207	214	15.0	60	1223	90	1615	80	
208	214	15.0	60	1231	90	1623	80	
209	215	15.0	60	1239	90	1631	80	
210	216	15.1	60	1248	90	1639	80	

SITE INDEX	CMAI FOR WESTERN HEMLOCK 100 YR. TABLE (TSHE) 990-BARNES SCRIBNER						CMAI FOR REDWOOD 100 YR TABLE (SESE3) 930-LINDQUIST-PALLEY						CMAI-WESTERN HEMLOCK 50 YEAR TABLE (TSHE) 995-WILEY		
	CU.FT./		TOTAL	BD.FT./		TOTAL	CU.FT./		TOTAL	BD.FT./		TOTAL	CU.FT./	CU.M./	TOTAL
	AC./YR.	HA./YR.		AC./YR.	AGE		AC./YR.	AGE		AC./YR.	HA./YR.				
50												150	10.5	90	
51												152	10.6	90	
52												153	10.7	90	
53												154	10.8	90	
54												156	10.9	90	
55	45	3.1	70									157	11.0	90	
56	47	3.3	70									159	11.1	90	
57	50	3.5	70									160	11.2	90	
58	52	3.6	70									161	11.3	90	
59	54	3.8	70									163	11.4	90	
60	56	3.9	70									164	11.5	90	
61	58	4.1	70									166	10.9	90	
62	61	4.3	70									167	11.7	90	
63	63	4.4	70									169	11.8	90	
64	65	4.5	70									170	11.9	90	
65	67	4.7	70									172	12.0	90	
66	70	4.9	70									173	11.9	90	
67	72	4.7	70									175	12.2	90	
68	74	5.2	70									176	11.9	90	
69	76	5.3	70									178	12.4	90	
70	78	5.5	60									180	12.6	90	
71	80	5.6	60									181	12.7	90	
72	83	5.8	60									183	12.8	90	
73	85	5.9	60									184	12.9	90	
74	87	6.1	60									186	13.0	90	
75	89	6.2	60									188	13.1	90	
76	91	6.4	60									189	13.2	90	
77	93	6.5	60									191	13.4	90	
78	95	6.6	60									192	13.4	90	
79	97	6.8	60									194	13.6	90	
80	100	7.0	60									197	13.8	90	
81	102	7.1	60									197	13.8	90	
82	104	7.3	60									199	13.9	90	
83	106	7.4	60									201	14.1	90	
84	108	7.6	60									203	14.2	90	
85	110	7.7	60									204	14.3	90	
86	112	7.8	60									206	14.4	90	
87	114	8.0	60									208	14.5	90	
88	116	8.1	60									209	14.6	90	
89	118	8.2	60									211	14.8	90	
90	120	8.4	60									213	14.9	90	
91	122	8.5	60									215	15.0	90	
92	124	8.7	60									217	15.2	90	
93	126	8.8	60									218	15.2	90	
94	128	9.0	60									220	15.4	90	
95	130	9.1	60									222	15.5	90	
96	133	9.3	60									224	15.7	90	
97	135	9.4	60									226	15.8	90	
98	137	9.6	60									227	15.9	90	
99	139	9.7	60									229	16.0	90	

SITE INDEX	CMAI FOR WESTERN HEMLOCK 100 YR. TABLE (TSHE)							CMAI FOR REDWOOD 100 YR. TABLE (SESE3)					CMAI-WESTERN HEMLOCK 50 YEAR TABLE (TSHE)		
	990-BARNES SCRIBNER			INTER. ¼"				930-LINDQUIST-PALLEY			INTER. ¼"		995-WILEY		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE
100	142	9.9	60	600	100	789	90						230	16.1	90
101	144	10.0	60	612	90	801	90	125	8.7	144	200	145	233	16.3	90
102	145	10.1	60	624	90	813	90	126	8.8	143	237	144	235	16.4	90
103	147	10.3	60	637	90	826	90	128	9.0	142	273	144	237	16.6	90
104	149	10.4	60	649	90	838	90	129	9.0	142	310	143	239	16.7	90
105	151	10.6	60	661	90	850	90	130	9.1	141	346	142	241	16.9	90
106	153	10.7	60	673	90	862	90	132	9.2	140	383	141	243	17.0	90
107	154	10.8	60	686	90	874	90	133	9.3	139	419	141	245	17.1	90
108	156	10.9	60	698	90	887	90	134	9.4	139	456	140	246	17.2	90
109	158	11.0	60	710	90	899	90	136	9.5	138	493	139	248	17.3	90
110	160	11.2	50	722	90	925	80	137	9.6	137	529	138	250	17.5	90
111	162	11.3	50	732	90	939	80	138	9.7	136	566	138	252	17.6	90
112	164	11.5	50	742	90	953	80	139	9.7	136	602	137	254	17.8	90
113	166	11.6	50	752	90	966	80	141	9.9	135	639	136	256	17.9	90
114	168	11.7	50	762	90	980	80	142	9.9	134	676	135	258	18.0	90
115	170	11.9	50	772	90	994	80	143	10.0	134	712	135	260	18.2	90
116	172	12.0	50	782	90	1008	80	144	10.1	133	749	134	262	18.3	90
117	174	12.2	50	792	90	1021	80	145	10.1	132	785	133	264	18.5	90
118	176	12.3	50	802	80	1035	80	147	10.3	131	822	132	266	18.6	90
119	178	12.4	50	814	80	1049	80	148	10.3	131	858	132	269	18.8	90
120	180	12.6	50	825	80	1063	80	149	10.4	130	895	131	271	19.0	90
121	182	12.7	50	838	80	1075	80	150	10.5	129	909	130	273	19.1	90
122	184	12.9	50	850	80	1088	80	151	10.6	128	924	130	275	19.2	90
123	186	13.0	50	862	80	1100	80	153	10.7	128	938	129	277	19.4	90
124	188	13.1	50	875	80	1113	80	154	10.8	127	953	129	279	19.5	90
125	190	13.3	50	888	80	1125	80	155	10.8	126	967	128	281	19.7	90
126	192	13.4	50	900	80	1138	80	156	10.9	125	982	127	283	19.8	90
127	194	13.6	50	912	80	1150	80	157	11.0	124	996	127	285	19.9	90
128	196	13.7	50	925	80	1163	80	159	11.1	124	1011	126	287	20.1	90
129	198	13.8	50	938	80	1175	80	160	11.2	123	1025	126	290	20.3	90
130	200	14.0	50	950	80	1200	70	161	11.3	122	1040	125	292	20.4	90
131	202	14.1	50	958	80	1213	70	164	11.5	121	1054	124	294	20.6	90
132	204	14.3	50	965	80	1228	70	167	11.7	121	1068	124	296	20.7	90
133	205	14.3	50	972	80	1239	70	170	11.9	120	1083	123	298	20.8	90
134	207	14.5	50	980	80	1251	70	173	12.1	119	1097	123	301	21.0	90
135	209	14.6	50	988	80	1264	70	177	12.4	119	1112	122	303	21.2	90
136	211	14.8	50	995	80	1277	70	180	12.6	118	1126	121	305	21.3	90
137	213	14.9	50	1002	80	1290	70	183	12.8	117	1141	121	307	21.5	90
138	214	15.0	50	1010	80	1303	70	186	13.0	116	1155	120	309	21.6	90
139	216	15.1	50	1018	80	1315	70	189	13.2	116	1170	120	312	21.8	90

SITE INDEX	CMAI FOR WESTERN HEMLOCK 100 YR. TABLE (TSHE)								CMAI FOR REDWOOD 100 YR. TABLE (SESE3)					CMAI-WESTERN HEMLOCK 50 YEAR TABLE (TSHE)		
	990-BARNES SCRIBNER				INTER. ¼"				930-LINDQUIST-PALLEY					995-WILEY		
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	
140	218	15.2	50	1029	70	1329	70	192	13.4	115	1184	119	314	22.0	90	
141	220	15.4	50	1041	70	1341	70	194	13.6	114	1201	118	316	22.1	90	
142	222	15.5	50	1054	70	1354	70	196	13.7	113	1218	118	319	22.3	90	
143	224	15.7	50	1067	70	1367	70	199	13.9	113	1235	117	321	21.0	90	
144	226	15.8	50	1080	70	1380	70	201	14.1	112	1253	117	323	22.6	90	
145	228	15.9	50	1094	80	1393	70	204	14.3	112	1270	116	325	22.7	90	
146	230	16.1	50	1108	80	1406	70	206	14.4	111	1287	116	328	22.9	90	
147	232	16.2	50	1121	80	1419	70	208	14.5	111	1305	115	330	23.1	90	
148	234	16.4	50	1135	80	1431	70	211	14.8	110	1322	115	332	23.2	90	
149	236	16.5	50	1149	80	1444	70	213	14.9	110	1339	114	335	23.4	90	
150	238	16.6	50	1162	80	1457	70	216	15.1	109	1357	114	337	23.6	90	
151	240	16.8	50	1171	80	1470	70	218	15.2	108	1374	113				
152	241	16.9	50	1180	80	1483	70	220	15.4	108	1391	113				
153	243	17.0	50	1189	80	1496	70	223	15.6	107	1408	112				
154	244	17.1	50	1198	80	1509	70	225	15.7	107	1426	112				
155	246	17.2	50	1206	80	1521	70	228	15.9	106	1443	111				
156	248	17.3	50	1215	80	1534	70	230	16.1	106	1460	111				
157	249	17.4	50	1224	80	1547	70	232	16.2	105	1478	110				
158	251	17.6	50	1232	80	1560	70	235	16.4	105	1495	110				
159	252	17.6	50	1241	80	1573	70	237	16.6	104	1512	109				
160	254	17.8	50	1250	80	1586	70	240	16.8	104	1530	109				
161	256	17.9	50	1260	80	1597	70	243	17.0	103	1552	109				
162	258	18.0	50	1270	80	1609	70	246	17.2	103	1575	108				
163	260	18.2	50	1280	80	1620	70	249	17.4	102	1597	108				
164	262	18.3	50	1290	80	1631	70	252	17.6	101	1619	107				
165	264	18.5	50	1300	80	1643	70	255	17.8	101	1642	107				
166	266	18.6	50	1311	70	1654	70	258	18.0	100	1664	106				
167	268	18.7	50	1323	70	1666	70	261	18.3	99	1686	106				
168	270	18.9	50	1334	70	1677	70	264	18.5	98	1709	105				
169	272	19.0	50	1346	70	1689	70	267	18.7	98	1731	105				
170	274	19.2	50	1357	70	1717	60	270	18.9	97	1754	105				
171	276	19.3	50	1366	70	1730	60	273	19.1	96	1775	104				
172	278	19.4	50	1374	70	1743	60	276	19.3	96	1798	104				
173	279	19.5	50	1383	70	1757	60	279	19.5	95	1821	103				
174	281	19.7	50	1391	70	1770	60	282	19.7	94	1843	103				
175	283	19.8	50	1400	70	1783	60	285	19.9	94	1865	102				
176	285	19.9	50	1410	80	1797	60	288	20.1	93	1888	102				
177	287	20.1	50	1420	80	1810	60	291	20.3	92	1910	101				
178	288	20.1	50	1430	80	1823	60	294	20.6	91	1932	101				
179	290	20.3	50	1440	80	1837	60	297	20.8	91	1955	100				

SITE INDEX	CMAI FOR WESTERN HEMLOCK 100 YR. TABLE (TSHE)							CMAI FOR REDWOOD 100 YR. TABLE (SESE3)				
				990-BARNES SCRIBNER		INTER. ¼"		930-LINDQUIST-PALLET			INTER. ¼"	
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	BD.FT./ AC./YR.	TOTAL AGE
180	292	20.4	50	1450	80	1850	60	300	21.0	90	1977	100
181	294	20.6	50	1459	80	1863	60	303	21.2	89	2002	99
182	296	20.7	50	1468	80	1877	60	307	21.5	88	2028	99
183	297	20.8	50	1477	70	1890	60	311	21.7	87	2053	98
184	299	20.9	50	1488	70	1903	60	315	22.0	86	2079	98
185	301	21.0	50	1500	70	1917	60	319	22.3	85	2104	97
186	303	21.2	50	1511	70	1930	60	323	22.6	84	2130	97
187	305	21.3	50	1523	70	1943	60	326	22.8	83	2155	96
188	306	21.4	50	1534	70	1957	60	330	23.1	82	2181	96
189	308	21.5	50	1545	70	1970	60	334	23.4	81	2206	95
190	310	21.7	50	1557	70	1983	60	338	23.6	80	2232	95
191	312	21.8	50	1570	70	1997	60	342	23.9	79	2257	94
192	314	22.0	50	1583	70	2010	60	346	24.2	78	2283	94
193	316	22.1	50	1596	70	2023	60	350	24.5	77	2308	93
194	318	22.2	50	1608	70	2037	60	353	24.7	76	2334	93
195	320	22.4	50	1621	70	2050	60	357	25.0	75	2359	92
196	322	22.5	50	1634	70	2063	60	361	25.2	74	2385	92
197	324	22.7	50	1647	70	2077	60	365	25.5	73	2410	91
198	326	22.8	50	1660	70	2090	60	369	25.8	72	2436	91
199	328	22.9	50	1673	70	2103	60	373	26.1	71	2461	90
200	330	23.1	50	1686	70	2117	60	377	26.4	70	2487	90
201	332	23.2	50	1694	70	2125	60	381	26.6	69	2516	90
202	333	23.3	50	1703	70	2133	60	385	26.9	69	2545	89
203	335	23.4	50	1711	70	2142	60	390	27.3	68	2574	89
204	336	23.5	50	1720	70	2150	60	394	27.6	68	2603	88
205	338	23.6	50	1729	70	2158	60	398	27.8	67	2632	88
206	340	23.8	50	1737	70	2167	60	402	28.1	66	2661	87
207	341	23.8	50	1748	60	2175	60	406	28.4	66	2690	87
208	343	24.0	50	1760	60	2183	60	410	28.7	65	2719	86
209	344	24.1	50	1772	60	2192	60	415	29.0	65	2748	85
210	346	24.2	50	1783	60	2200	60	419	29.3	64	2777	85
211								423	29.6	63	2805	85
212								427	29.9	63	2834	84
213								432	30.2	62	2863	84
214								436	30.5	62	2892	83
215								440	30.8	61	2921	83
216								444	31.0	60	2950	82
217								448	31.3	60	2979	82
218								453	31.7	59	3008	81
219								457	32.0	59	3037	81

SITE INDEX	CMAI FOR REDWOOD 100 YR. TABLE (SESE3) 930-LINDQUIST-PALLET				
	CU.FT./ AC./YR.	CU.M./ HA./YR.	TOTAL AGE	INTER. ¼"	
				BD.FT./ AC./YR.	TOTAL AGE
220	461	32.2	58	3006	80
221	465	32.5	57	3098	79
222	470	32.9	57	3130	79
223	475	33.2	56	3162	78
224	480	33.6	56	3195	78
225	484	33.8	56	3227	77
226	489	34.2	55	3259	77
227	494	34.5	55	3291	76
228	499	34.9	54	3324	76
229	503	35.2	54	3356	75
230	508	35.5	54	3388	75
231	513	35.9	53	3420	74
232	518	36.2	53	3543	74
233	522	36.5	52	3485	73
234	527	36.9	52	3517	73
235	532	37.2	52	3549	72
236	537	37.6	51	3582	72
237	541	37.8	51	3614	71
238	546	38.2	50	3646	71
239	551	38.5	50	3678	70
240	556	38.9	50	3711	70