TECHNICAL NOTES

U.S. DEPARTMENT OF AGRICULTURE Portland, Oregon SOIL CONSERVATION SERVICE

Forestry No. 21 April 1988

50 YEAR SITE INDEX TABLE FOR WHITE OR GRAND FIR EAST OF THE CASCADES

This site index table for white or grand fir (Abies concolor - A. grandis) was developed from U.S. Forest Service Research Paper PNW-252, "Site Index and Height Growth Curves for Managed, Even-aged Stands of White or Grand Fir East of the Cascades in Oregon and Washington" by P. H. Cochran.

The base age for this table is 50 years. It is to be used to determine site index of white or grand fir east of the Cascades where height growth competition between trees has been held to a minimum. Do not use this table if evidence of stand suppression exists or if the stand has been subjected to disease or insect attack resulting in the loss of top growth.

PROCEDURE FOR ESTIMATING SITE INDEX

1) Measure total height and breast height age of the 3 - 5 tallest trees on a 1/5 acre plot.

2) Using attached table, determine the site index value for each tree.

3) Record as the site index value for the plot the highest of the 3 - 5 values determined. Site index curve number for use on SCS-ECS-005 (WOOD-5) form is 035.

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	40	41	42	43	44	45	46	47	48	49
			*** HEIGHT IN FEET BY SITE INDEX ***							
20	---	---	---	4.8	5.5	6.2	6.9	7.5	8.2	8.9
21	---	---	5.2	5.9	6.6	7.3	8.1	8.8	9.5	10.2
22	5.0	5.7	6.4	7.1	7.8	8.6	9.3	10.0	10.7	11.5
23	6.1	6.9	7.6	8.4	9.1	9.8	10.6	11.3	12.1	12.8
24	7.4	8.1	8.9	9.6	10.4	11.1	11.9	12.6	13.4	14.2
25	8.6	9.4	10.1	10.9	11.7	12.5	13.2	14.0	14.8	15.5
26	9.9	10.7	11.4	12.2	13.0	13.8	14.6	15.4	16.2	16.9
27	11.2	12.0	12.8	13.6	14.4	15.2	16.0	16.8	17.6	18.4
28	12.5	13.3	14.1	14.9	15.7	16.6	17.4	18.2	19.0	19.8
29	13.8	14.6	15.5	16.3	17.1	17.9	18.8	19.6	20.4	21.2
30	15.2	16.0	16.8	17.7	18.5	19.3	20.2	21.0	21.9	22.7
31	16.5	17.3	18.2	19.0	19.9	20.7	21.6	22.4	23.3	24.1
32	17.8	18.7	19.6	20.4	21.3	22.1	23.0	23.9	24.7	25.6
33	19.2	20.1	20.9	21.8	22.7	23.5	24.4	25.3	26.1	27.0
34	20.5	21.4	22.3	23.2	24.0	24.9	25.8	26.7	27.6	28.4
35	21.8	22.7	23.6	24.5	25.4	26.3	27.2	28.1	29.0	29.8
36	23.2	24.1	25.0	25.9	26.8	27.7	28.6	29.5	30.4	31.3
37	24.5	25.4	26.3	27.2	28.1	29.0	29.9	30.8	31.8	32.7
38	25.8	26.7	27.6	28.5	29.4	30.4	31.3	32.2	33.1	34.0
39	27.1	28.0	28.9	29.8	30.8	31.7	32.6	33.5	34.5	35.4
40	28.3	29.3	30.2	31.1	32.1	33.0	33.9	34.9	35.8	36.7
41	29.6	30.5	31.5	32.4	33.4	34.3	35.2	36.2	37.1	38.1
42	30.8	31.8	32.7	33.7	34.6	35.6	36.5	37.4	38.4	39.3
43	32.0	33.0	33.9	34.9	35.9	36.8	37.8	38.7	39.7	40.6
44	33.2	34.2	35.2	36.1	37.1	38.1	39.0	40.0	40.9	41.9
45	34.4	35.4	36.3	37.3	38.3	39.3	40.2	41.2	42.2	43.1
46	35.6	36.5	37.5	38.5	39.5	40.4	41.4	42.4	43.4	44.3
47	36.7	37.7	38.7	39.7	40.6	41.6	42.6	43.6	44.6	45.5
48	37.8	38.8	39.8	40.8	41.8	42.8	43.8	44.8	45.8	46.7
49	38.9	39.9	40.9	41.9	42.9	43.9	44.9	45.9	46.9	47.9
50	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
51	41.1	42.1	43.1	44.1	45.1	46.1	47.1	48.1	49.1	50.1
52	42.1	43.1	44.1	45.1	46.1	47.1	48.1	49.2	50.2	51.2
53	43.1	44.1	45.1	46.2	47.2	48.2	49.2	50.2	51.2	52.3
54	44.1	45.1	46.1	47.1	48.2	49.2	50.2	51.2	52.3	53.3
55	45.0	46.1	47.1	48.1	49.2	50.2	51.2	52.2	53.3	54.3
56	46.0	47.0	48.1	49.1	50.1	51.2	52.2	53.2	54.3	55.3
57	46.9	48.0	49.0	50.0	51.1	52.1	53.2	54.2	55.2	56.3
58	47.8	48.9	49.9	51.0	52.0	53.1	54.1	55.1	56.2	57.2
59	48.7	49.7	50.8	51.8	52.9	53.9	55.0	56.0	57.1	58.1
60	49.6	50.6	51.7	52.7	53.8	54.9	55.9	57.0	58.0	59.1

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	40	41	42	43	44	45	46	47	48	49
			*** HEIGHT IN FEET BY SITE INDEX ***							
60	49.6	50.6	51.7	52.7	53.8	54.9	55.9	57.0	58.0	59.1
61	50.4	51.5	52.5	53.6	54.6	55.7	56.8	57.8	58.9	59.9
62	51.2	52.3	53.4	54.4	55.5	56.5	57.6	58.7	59.7	60.8
63	52.1	53.1	54.2	55.3	56.3	57.4	58.5	59.6	60.6	61.7
64	52.9	53.9	55.0	56.1	57.1	58.2	59.3	60.4	61.4	62.5
65	53.6	54.7	55.8	56.9	57.9	59.0	60.1	61.2	62.2	63.3
66	54.4	55.5	56.5	57.6	58.7	59.8	60.9	62.0	63.0	64.1
67	55.1	56.2	57.3	58.4	59.5	60.6	61.6	62.7	63.8	64.9
68	55.8	56.9	58.0	59.1	60.2	61.2	62.3	63.4	64.5	65.6
69	56.5	57.6	58.7	59.8	60.9	62.0	63.1	64.2	65.3	66.4
70	57.2	58.3	59.4	60.5	61.6	62.7	63.8	64.9	66.0	67.1
71	57.8	58.9	60.1	61.2	62.3	63.4	64.5	65.6	66.7	67.8
72	58.5	59.6	60.7	61.8	63.0	64.1	65.2	66.3	67.4	68.5
73	59.1	60.2	61.4	62.5	63.6	64.7	65.8	66.9	68.0	69.1
74	59.8	60.9	62.0	63.1	64.2	65.4	66.5	67.6	68.7	69.8
75	60.4	61.5	62.6	63.7	64.8	66.0	67.1	68.2	69.3	70.4
76	61.0	62.1	63.2	64.4	65.5	66.6	67.7	68.9	70.0	71.1
77	61.5	62.7	63.8	64.9	66.1	67.2	68.3	69.5	70.6	71.7
78	62.1	63.2	64.4	65.5	66.6	67.8	68.9	70.0	71.2	72.3
79	62.7	63.8	65.0	66.1	67.2	68.4	69.5	70.7	71.8	72.9
80	63.2	64.3	65.5	66.6	67.8	68.9	70.1	71.2	72.3	73.5
81	63.7	64.9	66.0	67.1	68.3	69.4	70.6	71.7	72.9	74.0
82	64.2	65.4	66.5	67.7	68.8	70.0	71.1	72.3	73.4	74.6
83	64.7	65.8	67.0	68.2	69.3	70.5	71.6	72.8	73.9	75.1
84	65.2	66.3	67.5	68.6	69.8	71.0	72.1	73.3	74.4	75.6
85	65.7	66.9	68.0	69.2	70.4	71.5	72.7	73.8	75.0	76.2
86	66.2	67.3	68.5	69.7	70.8	72.0	73.2	74.3	75.5	76.7
87	66.6	67.8	68.9	70.1	71.3	72.5	73.6	74.8	76.0	77.1
88	67.0	68.2	69.4	70.6	71.7	72.9	74.1	75.3	76.4	77.6
89	67.4	68.6	69.8	71.0	72.2	73.3	74.5	75.7	76.9	78.1
90	67.9	69.0	70.2	71.4	72.6	73.8	75.0	76.2	77.3	78.5
91	68.2	69.4	70.6	71.7	72.9	74.1	75.3	76.5	77.7	78.9
92	68.6	69.8	71.0	72.1	73.3	74.5	75.7	76.9	78.1	79.3
93	68.9	70.1	71.3	72.5	73.7	74.9	76.1	77.3	78.5	79.7
94	69.3	70.5	71.7	72.9	74.1	75.3	76.5	77.7	78.9	80.1
95	69.7	70.9	72.1	73.3	74.5	75.7	76.9	78.1	79.3	80.5
96	70.0	71.2	72.4	73.7	74.9	76.1	77.3	78.5	79.7	80.9
97	70.4	71.6	72.8	74.0	75.2	76.4	77.6	78.9	80.1	81.3
98	70.5	71.7	73.0	74.2	75.4	76.6	77.8	79.0	80.2	81.5
99	70.9	72.1	73.4	74.6	75.8	77.0	78.2	79.5	80.7	81.9
100	71.2	72.5	73.7	74.9	76.1	77.4	78.6	79.8	81.0	82.3

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	50	51	52	53	54	55	56	57	58	59
			*** HEIGHT IN FEET BY SITE INDEX ***							
20	9.6	10.3	11.0	11.7	12.4	13.0	13.7	14.4	15.1	15.8
21	10.9	11.6	12.3	13.0	13.7	14.4	15.1	15.8	16.5	17.2
22	12.2	12.9	13.6	14.4	15.1	15.8	16.5	17.3	18.0	18.7
23	13.5	14.3	15.0	15.8	16.5	17.2	18.0	18.7	19.5	20.2
24	14.9	15.7	16.4	17.2	17.9	18.7	19.5	20.2	21.0	21.7
25	16.3	17.1	17.9	18.6	19.4	20.2	20.9	21.7	22.5	23.3
26	17.7	18.5	19.3	20.1	20.9	21.7	22.4	23.2	24.0	24.8
27	19.2	20.0	20.8	21.6	22.4	23.2	24.0	24.8	25.6	26.4
28	20.6	21.4	22.2	23.1	23.9	24.7	25.5	26.3	27.1	27.9
29	22.1	22.9	23.7	24.5	25.4	26.2	27.0	27.8	28.7	29.5
30	23.5	24.4	25.2	26.0	26.9	27.7	28.5	29.4	30.2	31.1
31	25.0	25.8	26.7	27.5	28.4	29.2	30.1	30.9	31.8	32.6
32	26.4	27.3	28.2	29.0	29.9	30.7	31.6	32.4	33.3	34.2
33	27.9	28.8	29.6	30.5	31.4	32.2	33.1	34.0	34.8	35.7
34	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2
35	30.7	31.6	32.5	33.4	34.3	35.2	36.1	37.0	37.8	38.7
36	32.2	33.1	34.0	34.9	35.8	36.7	37.6	38.5	39.4	40.2
37	33.6	34.5	35.4	36.3	37.2	38.1	39.0	39.9	40.8	41.7
38	34.9	35.9	36.8	37.7	38.6	39.5	40.4	41.4	42.3	43.2
39	36.3	37.2	38.2	39.1	40.0	40.9	41.9	42.8	43.7	44.6
40	37.7	38.6	39.5	40.5	41.4	42.3	43.2	44.2	45.1	46.0
41	39.0	39.9	40.9	41.8	42.8	43.7	44.6	45.6	46.5	47.5
42	40.3	41.2	42.2	43.1	44.1	45.0	46.0	46.9	47.9	48.8
43	41.6	42.5	43.5	44.4	45.4	46.4	47.3	48.3	49.2	50.2
44	42.9	43.8	44.8	45.7	46.7	47.7	48.6	49.6	50.6	51.5
45	44.1	45.1	46.0	47.0	48.0	48.9	49.9	50.9	51.8	52.8
46	45.3	46.3	47.3	48.2	49.2	50.2	51.2	52.1	53.1	54.1
47	46.5	47.5	48.5	49.5	50.5	51.4	52.4	53.4	54.4	55.4
48	47.7	48.7	49.7	50.7	51.7	52.7	53.7	54.6	55.6	56.6
49	48.9	49.9	50.9	51.9	52.8	53.8	54.8	55.8	56.8	57.8
50	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
51	51.1	52.1	53.1	54.1	55.1	56.2	57.2	58.2	59.2	60.2
52	52.2	53.2	54.2	55.2	56.2	57.2	58.2	59.3	60.3	61.3
53	53.3	54.3	55.3	56.3	57.3	58.4	59.4	60.4	61.4	62.4
54	54.3	55.3	56.4	57.4	58.4	59.4	60.4	61.5	62.5	63.5
55	55.3	56.3	57.4	58.4	59.4	60.5	61.5	62.5	63.5	64.6
56	56.3	57.4	58.4	59.4	60.5	61.5	62.5	63.6	64.6	65.6
57	57.3	58.3	59.4	60.4	61.5	62.5	63.5	64.6	65.6	66.7
58	58.3	59.3	60.4	61.4	62.5	63.5	64.5	65.6	66.6	67.7
59	59.2	60.2	61.3	62.3	63.4	64.4	65.5	66.5	67.6	68.6
60	60.1	61.2	62.2	63.3	64.3	65.4	66.4	67.5	68.6	69.6

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	50	51	52	53	54	55	56	57	58	59
			*** HEIGHT IN FEET BY SITE INDEX ***							
60	60.1	61.2	62.2	63.3	64.3	65.4	66.4	67.5	68.6	69.6
61	61.0	62.1	63.1	64.2	65.2	66.3	67.3	68.4	69.5	70.5
62	61.9	62.9	64.0	65.0	66.1	67.2	68.2	69.3	70.4	71.4
63	62.8	63.8	64.9	66.0	67.0	68.1	69.2	70.2	71.3	72.4
64	63.6	64.7	65.7	66.8	67.9	69.0	70.0	71.1	72.2	73.2
65	64.4	65.5	66.6	67.6	68.7	69.8	70.9	71.9	73.0	74.1
66	65.2	66.3	67.4	68.5	69.5	70.6	71.7	72.8	73.9	74.9
67	66.0	67.1	68.2	69.3	70.3	71.4	72.5	73.6	74.7	75.8
68	66.7	67.8	68.9	70.0	71.1	72.2	73.2	74.3	75.4	76.5
69	67.5	68.6	69.7	70.8	71.8	72.9	74.0	75.1	76.2	77.3
70	68.2	69.3	70.4	71.5	72.6	73.7	74.8	75.9	77.0	78.1
71	68.9	70.0	71.1	72.2	73.3	74.4	75.5	76.6	77.7	78.8
72	69.6	70.7	71.8	72.9	74.0	75.2	76.3	77.4	78.5	79.6
73	70.2	71.4	72.5	73.6	74.7	75.8	76.9	78.0	79.1	80.3
74	71.0	72.1	73.2	74.3	75.4	76.5	77.7	78.8	79.9	81.0
75	71.6	72.7	73.8	74.9	76.1	77.2	78.3	79.4	80.5	81.7
76	72.2	73.4	74.5	75.6	76.8	77.9	79.0	80.1	81.3	82.4
77	72.8	74.0	75.1	76.2	77.4	78.5	79.6	80.8	81.9	83.0
78	73.4	74.6	75.7	76.8	78.0	79.1	80.2	81.4	82.5	83.6
79	74.1	75.2	76.4	77.5	78.6	79.8	80.9	82.0	83.2	84.3
80	74.6	75.8	76.9	78.1	79.2	80.3	81.5	82.6	83.8	84.9
81	75.2	76.3	77.5	78.6	79.8	80.9	82.1	83.2	84.4	85.5
82	75.7	76.9	78.0	79.2	80.3	81.5	82.6	83.8	84.9	86.1
83	76.2	77.4	78.5	79.7	80.9	82.0	83.2	84.3	85.5	86.6
84	76.8	77.9	79.1	80.2	81.4	82.5	83.7	84.9	86.0	87.2
85	77.3	78.5	79.7	80.8	82.0	83.2	84.3	85.5	86.7	87.8
86	77.8	79.0	80.2	81.3	82.5	83.7	84.8	86.0	87.2	88.3
87	78.3	79.5	80.7	81.8	83.0	84.2	85.4	86.5	87.7	88.9
88	78.8	80.0	81.1	82.3	83.5	84.7	85.8	87.0	88.2	89.4
89	79.3	80.4	81.6	82.8	84.0	85.2	86.3	87.5	88.7	89.9
90	79.7	80.9	82.1	83.3	84.4	85.6	86.8	88.0	89.2	90.4
91	80.1	81.2	82.4	83.6	84.8	86.0	87.2	88.4	89.6	90.7
92	80.5	81.7	82.9	84.1	85.3	86.4	87.6	88.8	90.0	91.2
93	80.9	82.1	83.3	84.5	85.7	86.9	88.1	89.3	90.5	91.7
94	81.3	82.5	83.7	84.9	86.1	87.3	88.5	89.7	90.9	92.1
95	81.7	82.9	84.1	85.3	86.5	87.7	89.0	90.2	91.4	92.6
96	82.1	83.3	84.5	85.7	87.0	88.2	89.4	90.6	91.8	93.0
97	82.5	83.7	84.9	86.1	87.4	88.6	89.8	91.0	92.2	93.4
98	82.7	83.9	85.1	86.3	87.5	88.8	90.0	91.2	92.4	93.6
99	83.1	84.4	85.6	86.8	88.0	89.2	90.5	91.7	92.9	94.1
100	83.5	84.7	85.9	87.2	88.4	89.6	90.8	92.1	93.3	94.5

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	60	61	62	63	64	65	66	67	68	69
			*** HEIGHT IN FEET BY SITE INDEX ***							
20	16.5	17.2	17.9	18.5	19.2	19.9	20.6	21.3	22.0	22.7
21	17.9	18.6	19.4	20.1	20.8	21.5	22.2	22.9	23.6	24.3
22	19.4	20.1	20.9	21.6	22.3	23.0	23.8	24.5	25.2	25.9
23	20.9	21.7	22.4	23.2	23.9	24.7	25.4	26.1	26.9	27.6
24	22.5	23.2	24.0	24.7	25.5	26.3	27.0	27.8	28.5	29.3
25	24.0	24.8	25.6	26.3	27.1	27.9	28.7	29.4	30.2	31.0
26	25.6	26.4	27.2	27.9	28.7	29.5	30.3	31.1	31.9	32.7
27	27.2	28.0	28.8	29.6	30.4	31.2	32.0	32.8	33.6	34.4
28	28.7	29.5	30.4	31.2	32.0	32.8	33.6	34.4	35.2	36.0
29	30.3	31.1	32.0	32.8	33.6	34.5	35.3	36.1	36.9	37.8
30	31.9	32.7	33.6	34.4	35.2	36.1	36.9	37.8	38.6	39.4
31	33.5	34.3	35.2	36.0	36.9	37.7	38.6	39.4	40.2	41.1
32	35.0	35.9	36.7	37.6	38.5	39.3	40.2	41.0	41.9	42.8
33	36.6	37.4	38.3	39.2	40.1	40.9	41.8	42.7	43.5	44.4
34	38.1	39.0	39.9	40.8	41.6	42.5	43.4	44.3	45.1	46.0
35	39.6	40.5	41.4	42.3	43.2	44.1	45.0	45.8	46.7	47.6
36	41.1	42.0	42.9	43.8	44.7	45.6	46.5	47.4	48.3	49.2
37	42.6	43.5	44.5	45.4	46.3	47.2	48.1	49.0	49.9	50.8
38	44.1	45.0	45.9	46.8	47.8	48.7	49.6	50.5	51.4	52.3
39	45.6	46.5	47.4	48.3	49.3	50.2	51.1	52.0	53.0	53.9
40	47.0	47.9	48.8	49.8	50.7	51.6	52.6	53.5	54.4	55.4
41	48.4	49.3	50.3	51.2	52.2	53.1	54.0	55.0	55.9	56.8
42	49.8	50.7	51.7	52.6	53.5	54.5	55.4	56.4	57.3	58.3
43	51.1	52.1	53.0	54.0	54.9	55.9	56.8	57.8	58.8	59.7
44	52.5	53.4	54.4	55.4	56.3	57.3	58.2	59.2	60.2	61.1
45	53.8	54.7	55.7	56.7	57.6	58.6	59.6	60.6	61.5	62.5
46	55.1	56.0	57.0	58.0	59.0	59.9	60.9	61.9	62.9	63.8
47	56.3	57.3	58.3	59.3	60.3	61.2	62.2	63.2	64.2	65.2
48	57.6	58.6	59.6	60.6	61.6	62.5	63.5	64.5	65.5	66.5
49	58.8	59.8	60.8	61.8	62.8	63.8	64.8	65.8	66.8	67.8
50	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
51	61.2	62.2	63.2	64.2	65.2	66.2	67.2	68.2	69.2	70.2
52	62.3	63.3	64.3	65.3	66.3	67.3	68.4	69.4	70.4	71.4
53	63.4	64.5	65.5	66.5	67.5	68.5	69.6	70.6	71.6	72.6
54	64.5	65.6	66.6	67.6	68.6	69.6	70.7	71.7	72.7	73.7
55	65.6	66.6	67.7	68.7	69.7	70.7	71.8	72.8	73.8	74.8
56	66.7	67.7	68.7	69.8	70.8	71.8	72.9	73.9	74.9	75.9
57	67.7	68.7	69.8	70.8	71.8	72.9	73.9	75.0	76.0	77.0
58	68.7	69.8	70.8	71.8	72.9	73.9	75.0	76.0	77.1	78.1
59	69.7	70.7	71.8	72.8	73.9	74.9	76.0	77.0	78.0	79.1
60	70.7	71.7	72.8	73.8	74.9	75.9	77.0	78.0	79.1	80.1

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	60	61	62	63	64	65	66	67	68	69
				*** HEIGHT IN FEET BY SITE INDEX ***						
60	70.7	71.7	72.8	73.8	74.9	75.9	77.0	78.0	79.1	80.1
61	71.6	72.6	73.7	74.8	75.8	76.9	77.9	79.0	80.0	81.1
62	72.5	73.5	74.6	75.7	76.7	77.8	78.9	79.9	81.0	82.0
63	73.4	74.5	75.6	76.6	77.7	78.8	79.9	80.9	82.0	83.1
64	74.3	75.4	76.5	77.5	78.6	79.7	80.8	81.8	82.9	84.0
65	75.2	76.3	77.3	78.4	79.5	80.6	81.6	82.7	83.8	84.9
66	76.0	77.1	78.2	79.3	80.4	81.4	82.5	83.6	84.7	85.8
67	76.9	78.0	79.0	80.1	81.2	82.3	83.4	84.5	85.6	86.6
68	77.6	78.7	79.8	80.9	82.0	83.1	84.1	85.2	86.3	87.4
69	78.4	79.5	80.6	81.7	82.8	83.9	85.0	86.1	87.2	88.3
70	79.2	80.3	81.4	82.5	83.6	84.7	85.8	86.9	88.0	89.1
71	79.9	81.0	82.1	83.2	84.3	85.4	86.5	87.6	88.8	89.9
72	80.7	81.8	82.9	84.0	85.1	86.2	87.3	88.5	89.6	90.7
73	81.4	82.5	83.6	84.7	85.8	86.9	88.0	89.2	90.3	91.4
74	82.1	83.2	84.4	85.5	86.6	87.7	88.8	89.9	91.1	92.2
75	82.8	83.9	85.0	86.1	87.3	88.4	89.5	90.6	91.7	92.9
76	83.5	84.6	85.8	86.9	88.0	89.1	90.3	91.4	92.5	93.6
77	84.1	85.3	86.4	87.5	88.7	89.8	90.9	92.1	93.2	94.3
78	84.8	85.9	87.0	88.2	89.3	90.4	91.6	92.7	93.8	95.0
79	85.5	86.6	87.7	88.9	90.0	91.2	92.3	93.4	94.6	95.7
80	86.1	87.2	88.3	89.5	90.6	91.8	92.9	94.1	95.2	96.3
81	86.6	87.8	88.9	90.1	91.2	92.4	93.5	94.7	95.8	97.0
82	87.2	88.4	89.5	90.7	91.8	93.0	94.1	95.3	96.4	97.6
83	87.8	88.9	90.1	91.2	92.4	93.6	94.7	95.9	97.0	98.2
84	88.3	89.5	90.7	91.8	93.0	94.1	95.3	96.4	97.6	98.8
85	89.0	90.1	91.3	92.5	93.6	94.8	96.0	97.1	98.3	99.5
86	89.5	90.7	91.9	93.0	94.2	95.4	96.5	97.7	98.9	100.0
87	90.0	91.2	92.4	93.6	94.7	95.9	97.1	98.2	99.4	100.6
88	90.6	91.7	92.9	94.1	95.3	96.4	97.6	98.8	100.0	101.1
89	91.1	92.2	93.4	94.6	95.8	97.0	98.1	99.3	100.5	101.7
90	91.6	92.7	93.9	95.1	96.3	97.5	98.7	99.8	101.0	102.2
91	91.9	93.1	94.3	95.5	96.7	97.9	99.1	100.2	101.4	102.6
92	92.4	93.6	94.8	96.0	97.2	98.4	99.6	100.8	101.9	103.1
93	92.9	94.1	95.3	96.5	97.7	98.9	100.0	101.2	102.4	103.6
94	93.3	94.5	95.7	96.9	98.1	99.3	100.5	101.7	102.9	104.1
95	93.8	95.0	96.2	97.4	98.6	99.8	101.0	102.2	103.4	104.6
96	94.2	95.4	96.6	97.8	99.0	100.3	101.5	102.7	103.9	105.1
97	94.6	95.8	97.1	98.3	99.5	100.7	101.9	103.1	104.3	105.6
98	94.8	96.0	97.3	98.5	99.7	100.9	102.1	103.3	104.6	105.8
99	95.3	96.6	97.8	99.0	100.2	101.4	102.7	103.9	105.1	106.3
100	95.7	97.0	98.2	99.4	100.6	101.9	103.1	104.3	105.5	106.8

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	70	71	72	73	74	75	76	77	78	79
			*** HEIGHT IN FEET BY SITE INDEX ***							
20	23.4	24.0	24.7	25.4	26.1	26.8	27.5	28.2	28.9	29.5
21	25.0	25.7	26.4	27.1	27.8	28.5	29.2	29.9	30.7	31.4
22	26.7	27.4	28.1	28.8	29.6	30.3	31.0	31.7	32.4	33.2
23	28.4	29.1	29.8	30.6	31.3	32.1	32.8	33.5	34.3	35.0
24	30.0	30.8	31.6	32.3	33.1	33.8	34.6	35.3	36.1	36.8
25	31.7	32.5	33.3	34.1	34.8	35.6	36.4	37.2	37.9	38.7
26	33.4	34.2	35.0	35.8	36.6	37.4	38.2	38.9	39.7	40.5
27	35.2	36.0	36.8	37.6	38.4	39.2	40.0	40.8	41.6	42.4
28	36.9	37.7	38.5	39.3	40.1	40.9	41.7	42.5	43.4	44.2
29	38.6	39.4	40.2	41.1	41.9	42.7	43.5	44.4	45.2	46.0
30	40.3	41.1	41.9	42.8	43.6	44.4	45.3	46.1	47.0	47.8
31	41.9	42.8	43.6	44.5	45.3	46.2	47.0	47.9	48.7	49.6
32	43.6	44.5	45.3	46.2	47.1	47.9	48.8	49.6	50.5	51.3
33	45.3	46.1	47.0	47.9	48.8	49.6	50.5	51.4	52.2	53.1
34	46.9	47.8	48.7	49.5	50.4	51.3	52.2	53.1	53.9	54.8
35	48.5	49.4	50.3	51.2	52.1	53.0	53.8	54.7	55.6	56.5
36	50.1	51.0	51.9	52.8	53.7	54.6	55.5	56.4	57.3	58.2
37	51.7	52.6	53.5	54.4	55.3	56.2	57.2	58.1	59.0	59.9
38	53.3	54.2	55.1	56.0	56.9	57.8	58.8	59.7	60.6	61.5
39	54.8	55.7	56.6	57.6	58.5	59.4	60.3	61.3	62.2	63.1
40	56.3	57.2	58.2	59.1	60.0	61.0	61.9	62.8	63.8	64.7
41	57.8	58.7	59.7	60.6	61.5	62.5	63.4	64.4	65.3	66.2
42	59.2	60.2	61.1	62.1	63.0	64.0	64.9	65.9	66.8	67.8
43	60.7	61.6	62.6	63.5	64.5	65.4	66.4	67.3	68.3	69.3
44	62.1	63.0	64.0	65.0	65.9	66.9	67.9	68.8	69.8	70.7
45	63.5	64.4	65.4	66.4	67.3	68.3	69.3	70.2	71.2	72.2
46	64.8	65.8	66.8	67.7	68.7	69.7	70.7	71.6	72.6	73.6
47	66.2	67.1	68.1	69.1	70.1	71.1	72.0	73.0	74.0	75.0
48	67.5	68.5	69.5	70.5	71.4	72.4	73.4	74.4	75.4	76.4
49	68.8	69.7	70.7	71.7	72.7	73.7	74.7	75.7	76.7	77.7
50	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
51	71.2	72.3	73.3	74.3	75.3	76.3	77.3	78.3	79.3	80.3
52	72.4	73.4	74.4	75.4	76.4	77.5	78.5	79.5	80.5	81.5
53	73.6	74.6	75.7	76.7	77.7	78.7	79.7	80.7	81.8	82.8
54	74.8	75.8	76.8	77.8	78.8	79.9	80.9	81.9	82.9	84.0
55	75.9	76.9	77.9	79.0	80.0	81.0	82.0	83.1	84.1	85.1
56	77.0	78.0	79.0	80.1	81.1	82.1	83.2	84.2	85.2	86.3
57	78.1	79.1	80.2	81.2	82.2	83.3	84.3	85.3	86.4	87.4
58	79.2	80.2	81.2	82.3	83.3	84.4	85.4	86.5	87.5	88.5
59	80.1	81.2	82.2	83.3	84.3	85.4	86.4	87.5	88.5	89.6
60	81.2	82.3	83.3	84.4	85.4	86.5	87.5	88.6	89.6	90.7

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	70	71	72	73	74	75	76	77	78	79
			*** HEIGHT IN FEET BY SITE INDEX ***							
60	81.2	82.3	83.3	84.4	85.4	86.5	87.5	88.6	89.6	90.7
61	82.2	83.2	84.3	85.3	86.4	87.5	88.5	89.6	90.6	91.7
62	83.1	84.2	85.2	86.3	87.4	88.4	89.5	90.5	91.6	92.7
63	84.1	85.2	86.3	87.3	88.4	89.5	90.5	91.6	92.7	93.7
64	85.0	86.1	87.2	88.3	89.3	90.4	91.5	92.6	93.6	94.7
65	86.0	87.0	88.1	89.2	90.3	91.3	92.4	93.5	94.6	95.7
66	86.9	87.9	89.0	90.1	91.2	92.3	93.3	94.4	95.5	96.6
67	87.7	88.8	89.9	91.0	92.1	93.2	94.3	95.3	96.4	97.5
68	88.5	89.6	90.7	91.8	92.9	94.0	95.1	96.1	97.2	98.3
69	89.4	90.5	91.6	92.7	93.8	94.8	95.9	97.0	98.1	99.2
70	90.2	91.3	92.4	93.5	94.6	95.7	96.8	97.9	99.0	100.1
71	91.0	92.1	93.2	94.3	95.4	96.5	97.6	98.7	99.8	100.9
72	91.8	92.9	94.0	95.1	96.2	97.3	98.4	99.5	100.6	101.8
73	92.5	93.6	94.7	95.8	96.9	98.1	99.2	100.3	101.4	102.5
74	93.3	94.4	95.5	96.7	97.8	98.9	100.0	101.1	102.2	103.4
75	94.0	95.1	96.2	97.4	98.5	99.6	100.7	101.8	103.0	104.1
76	94.8	95.9	97.0	98.1	99.3	100.4	101.5	102.7	103.8	104.9
77	95.4	96.6	97.7	98.8	100.0	101.1	102.2	103.3	104.5	105.6
78	96.1	97.2	98.4	99.5	100.6	101.8	102.9	104.0	105.2	106.3
79	96.9	98.0	99.1	100.3	101.4	102.5	103.7	104.8	106.0	107.1
80	97.5	98.6	99.8	100.9	102.1	103.2	104.3	105.5	106.6	107.8
81	98.1	99.3	100.4	101.6	102.7	103.8	105.0	106.1	107.3	108.4
82	98.7	99.9	101.0	102.2	103.3	104.5	105.6	106.8	107.9	109.1
83	99.3	100.5	101.6	102.8	104.0	105.1	106.3	107.4	108.6	109.7
84	99.9	101.1	102.2	103.4	104.6	105.7	106.9	108.0	109.2	110.4
85	100.6	101.8	102.9	104.1	105.3	106.4	107.6	108.8	109.9	111.1
86	101.2	102.4	103.5	104.7	105.9	107.0	108.2	109.4	110.5	111.7
87	101.8	102.9	104.1	105.3	106.5	107.6	108.8	110.0	111.1	112.3
88	102.3	103.5	104.7	105.8	107.0	108.2	109.4	110.6	111.7	112.9
89	102.9	104.0	105.2	106.4	107.6	108.8	109.9	111.1	112.3	113.5
90	103.4	104.6	105.8	107.0	108.1	109.3	110.5	111.7	112.9	114.1
91	103.8	105.0	106.2	107.4	108.6	109.7	110.9	112.1	113.3	114.5
92	104.3	105.5	106.7	107.9	109.1	110.3	111.5	112.7	113.9	115.1
93	104.8	106.0	107.2	108.4	109.6	110.8	112.0	113.2	114.4	115.6
94	105.3	106.5	107.7	108.9	110.1	111.3	112.5	113.7	114.9	116.1
95	105.8	107.0	108.2	109.4	110.6	111.8	113.0	114.3	115.5	116.7
96	106.3	107.5	108.7	109.9	111.1	112.3	113.6	114.8	116.0	117.2
97	106.8	108.0	109.2	110.4	111.6	112.8	114.1	115.3	116.5	117.7
98	107.0	108.2	109.4	110.6	111.8	113.1	114.3	115.5	116.7	117.9
99	107.6	108.8	110.0	111.2	112.4	113.7	114.9	116.1	117.3	118.5
100	108.0	109.2	110.4	111.7	112.9	114.1	115.3	116.6	117.8	119.0

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	80	81	82	83	84	85	86	87	88	89
			*** HEIGHT IN FEET BY SITE INDEX ***							
20	30.2	30.9	31.6	32.3	33.0	33.7	34.4	35.0	35.7	36.4
21	32.1	32.8	33.5	34.2	34.9	35.6	36.3	37.0	37.7	38.4
22	33.9	34.6	35.3	36.1	36.8	37.5	38.2	39.0	39.7	40.4
23	35.8	36.5	37.2	38.0	38.7	39.5	40.2	40.9	41.7	42.4
24	37.6	38.4	39.1	39.9	40.6	41.4	42.1	42.9	43.7	44.4
25	39.5	40.2	41.0	41.8	42.6	43.3	44.1	44.9	45.6	46.4
26	41.3	42.1	42.9	43.7	44.4	45.2	46.0	46.8	47.6	48.4
27	43.2	44.0	44.8	45.5	46.3	47.1	47.9	48.7	49.5	50.3
28	45.0	45.8	46.6	47.4	48.2	49.0	49.9	50.7	51.5	52.3
29	46.8	47.7	48.5	49.3	50.1	51.0	51.8	52.6	53.4	54.3
30	48.6	49.5	50.3	51.1	52.0	52.8	53.7	54.5	55.3	56.2
31	50.4	51.3	52.1	53.0	53.8	54.7	55.5	56.4	57.2	58.1
32	52.2	53.1	53.9	54.8	55.6	56.5	57.4	58.2	59.1	59.9
33	54.0	54.8	55.7	56.6	57.4	58.3	59.2	60.1	60.9	61.8
34	55.7	56.6	57.5	58.3	59.2	60.1	61.0	61.9	62.7	63.6
35	57.4	58.3	59.2	60.1	61.0	61.8	62.7	63.6	64.5	65.4
36	59.1	60.0	60.9	61.8	62.7	63.6	64.5	65.4	66.3	67.2
37	60.8	61.7	62.6	63.5	64.4	65.3	66.2	67.1	68.0	69.0
38	62.4	63.3	64.2	65.2	66.1	67.0	67.9	68.8	69.7	70.7
39	64.0	65.0	65.9	66.8	67.7	68.7	69.6	70.5	71.4	72.4
40	65.6	66.5	67.5	68.4	69.3	70.3	71.2	72.1	73.1	74.0
41	67.2	68.1	69.1	70.0	70.9	71.9	72.8	73.8	74.7	75.6
42	68.7	69.6	70.6	71.5	72.5	73.4	74.4	75.3	76.3	77.2
43	70.2	71.2	72.1	73.1	74.0	75.0	75.9	76.9	77.8	78.8
44	71.7	72.7	73.6	74.6	75.5	76.5	77.5	78.4	79.4	80.4
45	73.1	74.1	75.1	76.0	77.0	78.0	78.9	79.9	80.9	81.8
46	74.6	75.5	76.5	77.5	78.5	79.4	80.4	81.4	82.4	83.3
47	76.0	77.0	77.9	78.9	79.9	80.9	81.9	82.8	83.8	84.8
48	77.4	78.4	79.3	80.3	81.3	82.3	83.3	84.3	85.3	86.3
49	78.7	79.7	80.7	81.7	82.7	83.7	84.7	85.7	86.6	87.6
50	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
51	81.3	82.3	83.3	84.3	85.3	86.3	87.3	88.3	89.4	90.4
52	82.5	83.5	84.5	85.5	86.6	87.6	88.6	89.6	90.6	91.6
53	83.8	84.8	85.8	86.8	87.9	88.9	89.9	90.9	91.9	93.0
54	85.0	86.0	87.0	88.0	89.1	90.1	91.1	92.1	93.2	94.2
55	86.2	87.2	88.2	89.2	90.3	91.3	92.3	93.3	94.4	95.4
56	87.3	88.3	89.4	90.4	91.4	92.5	93.5	94.5	95.6	96.6
57	88.5	89.5	90.5	91.6	92.6	93.7	94.7	95.7	96.8	97.8
58	89.6	90.6	91.7	92.7	93.8	94.8	95.9	96.9	97.9	99.0
59	90.6	91.7	92.7	93.8	94.8	95.9	96.9	98.0	99.0	100.1
60	91.7	92.8	93.8	94.9	96.0	97.0	98.1	99.1	100.2	101.2

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	80	81	82	83	84	85	86	87	88	89
			*** HEIGHT IN FEET BY SITE INDEX ***							
60	91.7	92.8	93.8	94.9	96.0	97.0	98.1	99.1	100.2	101.2
61	92.7	93.8	94.9	95.9	97.0	98.0	99.1	100.1	101.2	102.3
62	93.7	94.8	95.9	96.9	98.0	99.0	100.1	101.2	102.2	103.3
63	94.8	95.9	96.9	98.0	99.1	100.2	101.2	102.3	103.4	104.4
64	95.8	96.9	97.9	99.0	100.1	101.1	102.2	103.3	104.4	105.4
65	96.7	97.8	98.9	100.0	101.0	102.1	103.2	104.3	105.4	106.4
66	97.7	98.8	99.8	100.9	102.0	103.1	104.2	105.3	106.3	107.4
67	98.6	99.7	100.8	101.9	103.0	104.0	105.1	106.2	107.3	108.4
68	99.4	100.5	101.6	102.7	103.8	104.9	106.0	107.1	108.1	109.2
69	100.3	101.4	102.5	103.6	104.7	105.8	106.9	108.0	109.1	110.2
70	101.2	102.3	103.4	104.5	105.6	106.7	107.8	108.9	110.0	111.1
71	102.0	103.1	104.2	105.3	106.4	107.5	108.6	109.7	110.8	111.9
72	102.9	104.0	105.1	106.2	107.3	108.4	109.5	110.6	111.7	112.8
73	103.6	104.7	105.8	107.0	108.1	109.2	110.3	111.4	112.5	113.6
74	104.5	105.6	106.7	107.8	108.9	110.1	111.2	112.3	113.4	114.5
75	105.2	106.3	107.4	108.6	109.7	110.8	111.9	113.1	114.2	115.3
76	106.0	107.2	108.3	109.4	110.5	111.7	112.8	113.9	115.0	116.2
77	106.7	107.9	109.0	110.1	111.3	112.4	113.5	114.6	115.8	116.9
78	107.4	108.6	109.7	110.8	112.0	113.1	114.2	115.4	116.5	117.6
79	108.2	109.4	110.5	111.7	112.8	113.9	115.1	116.2	117.4	118.5
80	108.9	110.1	111.2	112.3	113.5	114.6	115.8	116.9	118.1	119.2
81	109.6	110.7	111.9	113.0	114.2	115.3	116.5	117.6	118.8	119.9
82	110.2	111.4	112.5	113.7	114.8	116.0	117.1	118.3	119.4	120.6
83	110.9	112.0	113.2	114.3	115.5	116.7	117.8	119.0	120.1	121.3
84	111.5	112.7	113.8	115.0	116.1	117.3	118.5	119.6	120.8	121.9
85	112.3	113.4	114.6	115.8	116.9	118.1	119.2	120.4	121.6	122.7
86	112.9	114.0	115.2	116.4	117.6	118.7	119.9	121.1	122.2	123.4
87	113.5	114.7	115.8	117.0	118.2	119.3	120.5	121.7	122.9	124.0
88	114.1	115.3	116.4	117.6	118.8	120.0	121.1	122.3	123.5	124.7
89	114.7	115.9	117.0	118.2	119.4	120.6	121.8	122.9	124.1	125.3
90	115.2	116.4	117.6	118.8	120.0	121.2	122.4	123.5	124.7	125.9
91	115.7	116.9	118.1	119.2	120.4	121.6	122.8	124.0	125.2	126.4
92	116.2	117.4	118.6	119.8	121.0	122.2	123.4	124.6	125.8	127.0
93	116.8	118.0	119.2	120.4	121.6	122.8	124.0	125.2	126.4	127.6
94	117.3	118.5	119.7	120.9	122.1	123.3	124.5	125.7	126.9	128.1
95	117.9	119.1	120.3	121.5	122.7	123.9	125.1	126.3	127.5	128.7
96	118.4	119.6	120.8	122.0	123.2	124.4	125.6	126.9	128.1	129.3
97	118.9	120.1	121.3	122.5	123.8	125.0	126.2	127.4	128.6	129.8
98	119.1	120.3	121.6	122.8	124.0	125.2	126.4	127.6	128.9	130.1
99	119.8	121.0	122.2	123.4	124.6	125.9	127.1	128.3	129.5	130.8
100	120.2	121.5	122.7	123.9	125.2	126.4	127.6	128.8	130.1	131.3

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	90	91	92	93	94	95	96	97	98	99
			*** HEIGHT IN FEET BY SITE INDEX ***							
20	37.1	37.8	38.5	39.2	39.8	40.5	41.2	41.9	42.6	43.3
21	39.1	39.8	40.5	41.2	42.0	42.7	43.4	44.1	44.8	45.5
22	41.1	41.9	42.6	43.3	44.0	44.7	45.5	46.2	46.9	47.6
23	43.2	43.9	44.6	45.4	46.1	46.9	47.6	48.4	49.1	49.8
24	45.2	45.9	46.7	47.4	48.2	49.0	49.7	50.5	51.2	52.0
25	47.2	48.0	48.7	49.5	50.3	51.0	51.8	52.6	53.4	54.1
26	49.2	49.9	50.7	51.5	52.3	53.1	53.9	54.6	55.4	56.2
27	51.1	51.9	52.7	53.5	54.3	55.1	55.9	56.7	57.5	58.3
28	53.1	53.9	54.7	55.5	56.4	57.2	58.0	58.8	59.6	60.4
29	55.1	55.9	56.7	57.6	58.4	59.2	60.0	60.9	61.7	62.5
30	57.0	57.8	58.7	59.5	60.3	61.2	62.0	62.9	63.7	64.5
31	58.9	59.8	60.6	61.5	62.3	63.2	64.0	64.8	65.7	66.5
32	60.8	61.7	62.5	63.4	64.2	65.1	66.0	66.8	67.7	68.5
33	62.7	63.5	64.4	65.3	66.1	67.0	67.9	68.8	69.6	70.5
34	64.5	65.4	66.3	67.1	68.0	68.9	69.8	70.7	71.5	72.4
35	66.3	67.2	68.1	69.0	69.8	70.7	71.6	72.5	73.4	74.3
36	68.1	69.0	69.9	70.8	71.7	72.6	73.5	74.4	75.3	76.2
37	69.9	70.8	71.7	72.6	73.5	74.4	75.3	76.2	77.1	78.0
38	71.6	72.5	73.4	74.3	75.2	76.2	77.1	78.0	78.9	79.8
39	73.3	74.2	75.1	76.1	77.0	77.9	78.8	79.8	80.7	81.6
40	74.9	75.9	76.8	77.7	78.7	79.6	80.5	81.5	82.4	83.3
41	76.6	77.5	78.5	79.4	80.3	81.3	82.2	83.2	84.1	85.0
42	78.2	79.1	80.1	81.0	82.0	82.9	83.9	84.8	85.7	86.7
43	79.7	80.7	81.7	82.6	83.6	84.5	85.5	86.4	87.4	88.3
44	81.3	82.3	83.2	84.2	85.2	86.1	87.1	88.0	89.0	90.0
45	82.8	83.8	84.8	85.7	86.7	87.7	88.6	89.6	90.6	91.5
46	84.3	85.3	86.3	87.2	88.2	89.2	90.2	91.1	92.1	93.1
47	85.8	86.8	87.7	88.7	89.7	90.7	91.7	92.7	93.6	94.6
48	87.3	88.2	89.2	90.2	91.2	92.2	93.2	94.2	95.2	96.1
49	88.6	89.6	90.6	91.6	92.6	93.6	94.6	95.6	96.6	97.6
50	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
51	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4	100.4
52	92.6	93.6	94.6	95.7	96.7	97.7	98.7	99.7	100.7	101.7
53	94.0	95.0	96.0	97.0	98.0	99.1	100.1	101.1	102.1	103.1
54	95.2	96.2	97.3	98.3	99.3	100.3	101.3	102.4	103.4	104.4
55	96.4	97.5	98.5	99.5	100.5	101.6	102.6	103.6	104.6	105.7
56	97.6	98.7	99.7	100.7	101.8	102.8	103.8	104.9	105.9	106.9
57	98.8	99.9	100.9	102.0	103.0	104.0	105.1	106.1	107.1	108.2
58	100.0	101.1	102.1	103.2	104.2	105.2	106.3	107.3	108.4	109.4
59	101.1	102.2	103.2	104.3	105.3	106.3	107.4	108.4	109.5	110.5
60	102.3	103.3	104.4	105.4	106.5	107.5	108.6	109.6	110.7	111.8

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

*** HEIGHT IN FEET BY SITE INDEX ***

BH AGE	90	91	92	93	94	95	96	97	98	99
60	102.3	103.3	104.4	105.4	106.5	107.5	108.6	109.6	110.7	111.8
61	103.3	104.4	105.4	106.5	107.6	108.6	109.7	110.7	111.8	112.8
62	104.4	105.4	106.5	107.5	108.6	109.7	110.7	111.8	112.9	113.9
63	105.5	106.6	107.6	108.7	109.8	110.8	111.9	113.0	114.0	115.1
64	106.5	107.6	108.7	109.7	110.8	111.9	112.9	114.0	115.1	116.2
65	107.5	108.6	109.7	110.7	111.8	112.9	114.0	115.1	116.1	117.2
66	108.5	109.6	110.7	111.7	112.8	113.9	115.0	116.1	117.2	118.2
67	109.5	110.6	111.6	112.7	113.8	114.9	116.0	117.1	118.2	119.3
68	110.3	111.4	112.5	113.6	114.7	115.8	116.9	118.0	119.0	120.1
69	111.3	112.4	113.5	114.6	115.7	116.8	117.8	118.9	120.0	121.1
70	112.2	113.3	114.4	115.5	116.6	117.7	118.8	119.9	121.0	122.1
71	113.0	114.1	115.2	116.3	117.5	118.6	119.7	120.8	121.9	123.0
72	114.0	115.1	116.2	117.3	118.4	119.5	120.6	121.7	122.8	123.9
73	114.7	115.9	117.0	118.1	119.2	120.3	121.4	122.5	123.6	124.8
74	115.6	116.8	117.9	119.0	120.1	121.2	122.3	123.5	124.6	125.7
75	116.4	117.5	118.7	119.8	120.9	122.0	123.1	124.3	125.4	126.5
76	117.3	118.4	119.5	120.7	121.8	122.9	124.0	125.2	126.3	127.4
77	118.0	119.2	120.3	121.4	122.6	123.7	124.8	125.9	127.1	128.2
78	118.8	119.9	121.0	122.2	123.3	124.4	125.6	126.7	127.8	129.0
79	119.6	120.8	121.9	123.0	124.2	125.3	126.5	127.6	128.7	129.9
80	120.3	121.5	122.6	123.8	124.9	126.1	127.2	128.3	129.5	130.6
81	121.0	122.2	123.3	124.5	125.6	126.8	127.9	129.1	130.2	131.4
82	121.7	122.9	124.0	125.2	126.3	127.5	128.6	129.8	130.9	132.1
83	122.4	123.6	124.7	125.9	127.0	128.2	129.4	130.5	131.7	132.8
84	123.1	124.3	125.4	126.6	127.7	128.9	130.1	131.2	132.4	133.5
85	123.9	125.1	126.2	127.4	128.6	129.7	130.9	132.1	133.2	134.4
86	124.6	125.7	126.9	128.1	129.2	130.4	131.6	132.7	133.9	135.1
87	125.2	126.4	127.6	128.7	129.9	131.1	132.2	133.4	134.6	135.8
88	125.8	127.0	128.2	129.4	130.6	131.7	132.9	134.1	135.3	136.4
89	126.5	127.7	128.8	130.0	131.2	132.4	133.6	134.7	135.9	137.1
90	127.1	128.3	129.5	130.7	131.8	133.0	134.2	135.4	136.6	137.8
91	127.6	128.7	129.9	131.1	132.3	133.5	134.7	135.9	137.1	138.2
92	128.2	129.4	130.5	131.7	132.9	134.1	135.3	136.5	137.7	138.9
93	128.8	130.0	131.2	132.3	133.5	134.7	135.9	137.1	138.3	139.5
94	129.3	130.5	131.7	132.9	134.1	135.3	136.5	137.7	138.9	140.1
95	129.9	131.1	132.3	133.5	134.7	135.9	137.1	138.3	139.6	140.8
96	130.5	131.7	132.9	134.1	135.3	136.5	137.7	138.9	140.2	141.4
97	131.0	132.3	133.5	134.7	135.9	137.1	138.3	139.5	140.8	142.0
98	131.3	132.5	133.7	134.9	136.1	137.4	138.6	139.8	141.0	142.2
99	132.0	133.2	134.4	135.6	136.9	138.1	139.3	140.5	141.7	143.0
100	132.5	133.7	135.0	136.2	137.4	138.6	139.9	141.1	142.3	143.5

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

BH AGE	100	101	102	103	104	105	106	107	108	109	110
			*** HEIGHT IN FEET BY SITE INDEX ***								
20	44.0	44.7	45.3	46.0	46.7	47.4	48.1	48.8	49.5	50.2	50.8
21	46.2	46.9	47.6	48.3	49.0	49.7	50.4	51.1	51.8	52.5	53.3
22	48.4	49.1	49.8	50.5	51.3	52.0	52.7	53.4	54.2	54.9	55.6
23	50.6	51.3	52.1	52.8	53.5	54.3	55.0	55.8	56.5	57.2	58.0
24	52.7	53.5	54.2	55.0	55.8	56.5	57.3	58.0	58.8	59.5	60.3
25	54.9	55.7	56.4	57.2	58.0	58.8	59.5	60.3	61.1	61.8	62.6
26	57.0	57.8	58.6	59.4	60.1	60.9	61.7	62.5	63.3	64.1	64.9
27	59.1	59.9	60.7	61.5	62.3	63.1	63.9	64.7	65.5	66.3	67.1
28	61.2	62.0	62.9	63.7	64.5	65.3	66.1	66.9	67.7	68.5	69.4
29	63.3	64.2	65.0	65.8	66.6	67.5	68.3	69.1	69.9	70.8	71.6
30	65.4	66.2	67.0	67.9	68.7	69.5	70.4	71.2	72.1	72.9	73.7
31	67.4	68.2	69.1	69.9	70.8	71.6	72.5	73.3	74.2	75.0	75.9
32	69.4	70.2	71.1	72.0	72.8	73.7	74.5	75.4	76.3	77.1	78.0
33	71.4	72.2	73.1	74.0	74.8	75.7	76.6	77.4	78.3	79.2	80.1
34	73.3	74.2	75.1	75.9	76.8	77.7	78.6	79.4	80.3	81.2	82.1
35	75.2	76.1	77.0	77.8	78.7	79.6	80.5	81.4	82.3	83.2	84.1
36	77.1	78.0	78.9	79.8	80.7	81.6	82.5	83.4	84.3	85.2	86.1
37	78.9	79.8	80.7	81.7	82.6	83.5	84.4	85.3	86.2	87.1	88.0
38	80.7	81.6	82.6	83.5	84.4	85.3	86.2	87.1	88.1	89.0	89.9
39	82.5	83.5	84.4	85.3	86.2	87.1	88.1	89.0	89.9	90.8	91.8
40	84.3	85.2	86.1	87.1	88.0	88.9	89.8	90.8	91.7	92.6	93.6
41	86.0	86.9	87.9	88.8	89.7	90.7	91.6	92.6	93.5	94.4	95.4
42	87.6	88.6	89.5	90.5	91.4	92.4	93.3	94.3	95.2	96.2	97.1
43	89.3	90.2	91.2	92.2	93.1	94.1	95.0	96.0	96.9	97.9	98.8
44	90.9	91.9	92.9	93.8	94.8	95.7	96.7	97.7	98.6	99.6	100.5
45	92.5	93.5	94.4	95.4	96.4	97.3	98.3	99.3	100.2	101.2	102.2
46	94.1	95.0	96.0	97.0	97.9	98.9	99.9	100.9	101.8	102.8	103.8
47	95.6	96.6	97.6	98.5	99.5	100.5	101.5	102.5	103.4	104.4	105.4
48	97.1	98.1	99.1	100.1	101.1	102.1	103.1	104.0	105.0	106.0	107.0
49	98.6	99.6	100.6	101.6	102.5	103.5	104.5	105.5	106.5	107.5	108.5
50	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0	110.0
51	101.4	102.4	103.4	104.4	105.4	106.5	107.5	108.5	109.5	110.5	111.5
52	102.7	103.7	104.8	105.8	106.8	107.8	108.8	109.8	110.8	111.8	112.8
53	104.1	105.2	106.2	107.2	108.2	109.2	110.2	111.3	112.3	113.3	114.3
54	105.4	106.5	107.5	108.5	109.5	110.5	111.6	112.6	113.6	114.6	115.7
55	106.7	107.7	108.8	109.8	110.8	111.8	112.9	113.9	114.9	116.0	117.0
56	108.0	109.0	110.0	111.1	112.1	113.1	114.2	115.2	116.2	117.3	118.3
57	109.2	110.3	111.3	112.3	113.4	114.4	115.5	116.5	117.5	118.6	119.6
58	110.5	111.5	112.6	113.6	114.6	115.7	116.7	117.8	118.8	119.9	120.9
59	111.6	112.6	113.7	114.7	115.8	116.8	117.9	118.9	120.0	121.0	122.1
60	112.8	113.9	114.9	116.0	117.0	118.1	119.1	120.2	121.2	122.3	123.3

GRAND FIR * SITE INDEX * COCHRAN * 50 YR BASE AGE * CODE 035 *

*** HEIGHT IN FEET BY SITE INDEX ***

BH AGE	100	101	102	103	104	105	106	107	108	109	110
60	112.8	113.9	114.9	116.0	117.0	118.1	119.1	120.2	121.2	122.3	123.3
61	113.9	115.0	116.0	117.1	118.1	119.2	120.3	121.3	122.4	123.4	124.5
62	115.0	116.1	117.1	118.2	119.2	120.3	121.4	122.4	123.5	124.6	125.6
63	116.2	117.2	118.3	119.4	120.5	121.5	122.6	123.7	124.7	125.8	126.9
64	117.2	118.3	119.4	120.5	121.5	122.6	123.7	124.7	125.8	126.9	128.0
65	118.3	119.4	120.4	121.5	122.6	123.7	124.7	125.8	126.9	128.0	129.1
66	119.3	120.4	121.5	122.6	123.6	124.7	125.8	126.9	128.0	129.1	130.1
67	120.3	121.4	122.5	123.6	124.7	125.8	126.9	128.0	129.0	130.1	131.2
68	121.2	122.3	123.4	124.5	125.6	126.7	127.8	128.9	130.0	131.0	132.1
69	122.2	123.3	124.4	125.5	126.6	127.7	128.8	129.9	131.0	132.1	133.2
70	123.2	124.3	125.4	126.5	127.6	128.7	129.8	130.9	132.0	133.1	134.2
71	124.1	125.2	126.3	127.4	128.5	129.6	130.7	131.8	132.9	134.0	135.1
72	125.0	126.1	127.3	128.4	129.5	130.6	131.7	132.8	133.9	135.0	136.1
73	125.9	127.0	128.1	129.2	130.3	131.4	132.5	133.7	134.8	135.9	137.0
74	126.8	127.9	129.1	130.2	131.3	132.4	133.5	134.6	135.8	136.9	138.0
75	127.6	128.7	129.9	131.0	132.1	133.2	134.4	135.5	136.6	137.7	138.8
76	128.6	129.7	130.8	131.9	133.1	134.2	135.3	136.4	137.6	138.7	139.8
77	129.3	130.5	131.6	132.7	133.9	135.0	136.1	137.2	138.4	139.5	140.6
78	130.1	131.2	132.4	133.5	134.6	135.8	136.9	138.0	139.2	140.3	141.5
79	131.0	132.2	133.3	134.4	135.6	136.7	137.9	139.0	140.1	141.3	142.4
80	131.8	132.9	134.1	135.2	136.3	137.5	138.6	139.8	140.9	142.1	143.2
81	132.5	133.7	134.8	136.0	137.1	138.3	139.4	140.5	141.7	142.8	144.0
82	133.2	134.4	135.5	136.7	137.9	139.0	140.2	141.3	142.5	143.6	144.8
83	134.0	135.1	136.3	137.4	138.6	139.7	140.9	142.1	143.2	144.4	145.5
84	134.7	135.8	137.0	138.2	139.3	140.5	141.6	142.8	144.0	145.1	146.3
85	135.5	136.7	137.9	139.0	140.2	141.4	142.5	143.7	144.9	146.0	147.2
86	136.2	137.4	138.6	139.7	140.9	142.1	143.3	144.4	145.6	146.8	147.9
87	136.9	138.1	139.3	140.4	141.6	142.8	144.0	145.1	146.3	147.5	148.7
88	137.6	138.8	140.0	141.1	142.3	143.5	144.7	145.9	147.0	148.2	149.4
89	138.3	139.5	140.6	141.8	143.0	144.2	145.4	146.5	147.7	148.9	150.1
90	138.9	140.1	141.3	142.5	143.7	144.9	146.1	147.2	148.4	149.6	150.8
91	139.4	140.6	141.8	143.0	144.2	145.4	146.6	147.7	148.9	150.1	151.3
92	140.1	141.3	142.5	143.7	144.9	146.0	147.2	148.4	149.6	150.8	152.0
93	140.7	141.9	143.1	144.3	145.5	146.7	147.9	149.1	150.3	151.5	152.7
94	141.3	142.5	143.7	144.9	146.1	147.4	148.6	149.8	151.0	152.2	153.4
95	142.0	143.2	144.4	145.6	146.8	148.0	149.2	150.4	151.6	152.8	154.0
96	142.6	143.8	145.0	146.2	147.4	148.6	149.8	151.0	152.2	153.5	154.7
97	143.2	144.4	145.6	146.8	148.0	149.2	150.5	151.7	152.9	154.1	155.3
98	143.4	144.6	145.9	147.1	148.3	149.5	150.7	151.9	153.2	154.4	155.6
99	144.2	145.4	146.6	147.8	149.1	150.3	151.5	152.7	154.0	155.2	156.4
100	144.8	146.0	147.2	148.4	149.7	150.9	152.1	153.3	154.6	155.8	157.0