CO-OP REDWOOD YIELD RESEARCH PROJECT
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ILLUSTRATIVE YIELD TABLES FOR COASTAL CONIFERS IN CALIFORNIA

-- PRELIMINARY VERSION --

by

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ABSTRACT

Yield tables are presented for an illustrative set of coastal stands. The primary purpose in developing these tables is to provide potential users with the opportunity to evaluate the current performance of the CHYPOS yield model. Once the evaluation phase is completed, an expanded version of this report will be made available.

I. INTRODUCTION

This research note presents sample yield tables generated by the CHYPTOS(1) program (Research Note No. 16). These tables are by no means exhaustive of the possible conditions currently found in coastal stands or the the harvest prescriptions that might be applied to them. The tables included were selected to give a representative cross section of species mixes and density conditions that are likely to occur in even-aged young growth stands.

The CHYPTOS program is a forest growth simulator that uses a list of tree characteristics to describe a stand for which growth and yield estimates are desired. A description of the appropriate data needed to drive the model and a general overview of how the program operates is contained in Research Note No. 14. Research Note No. 15 has a detailed description of the mathematical models used to drive the program. Figure 1 is a conceptual flow chart of the inner workings of the CHYPTOS program. Relative to this figure, the yield tables presented in this research note are the cummulative harvest and yield report.

The primary purpose of these tables is to aid CHYPTOS users in evaluating the current performance of the yield and harvest projection system. Once the evaluation phase is completed, this research note will be revised, expanded, and a final copy will appear as an Ag. Experiment Station Bulletin.

II. STAND DEFINITIONS

The species compositions of the stands portrayed in these tables is currently limited to redwood and Douglas fir. There are still problems with the hardwood components in these models which stem largely from lack of data. The appropriate tree lists used to provide the input packages were produced with the stand generator program (Research Note No. 17)

Site Index - Fifty year breast high age base site index was used as the appropriate site basis. The conventions are described in Research Note No. 5.

Age Classes - These tables are for stands that are even-aged and natural in origin at least at the start of each simulation. Age is a descriptive feature only and refers to the average breast high age of dominant stand components. It is empahasized that the CHYPTOS projection system is not constrained to operate only in even-aged stands. An even-aged stand basis was chosen for yield tabulations in this research note because most cooperators in the region have some familiarity with even-aged stand development.

Volume basis- Total height-DBH tree volume equations were used as the basis for providing summary volume statistics. The appropriate equations are described in Research Note No. 9.

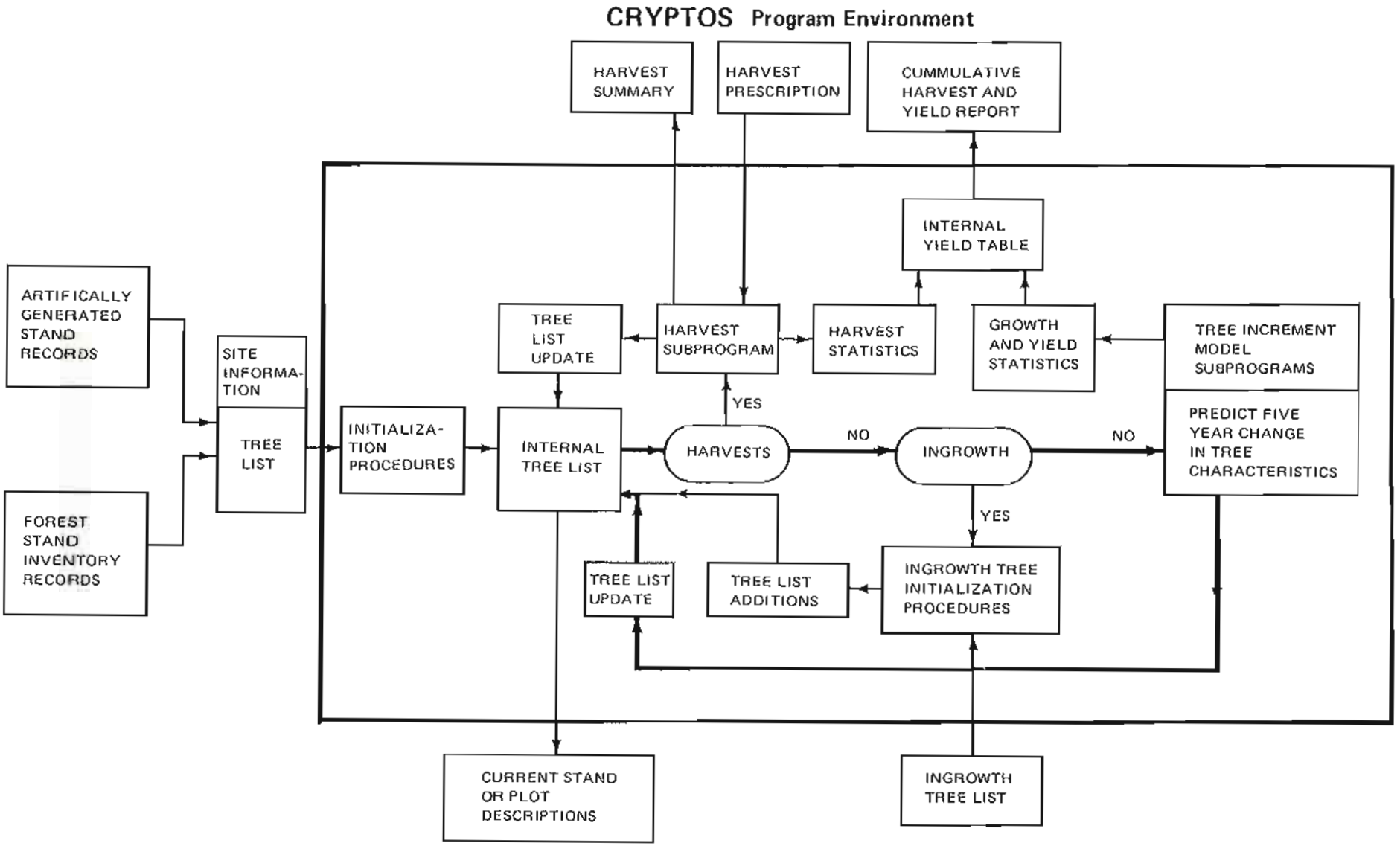

Figure 1. CONCEPTUAL FLOW CHART INDICATING GROWTH MODEL LINKAGES WITHIN THE CRYPTOS PROGRAM

III. SUMMARY STATISTICS

Summary statistics are reported under somewhat terse acronyms in the interest of providing concise tabulations. The following conventions are used:

et Elapsed time, number of years since the start of the projection.

cfvol Cubic foot volume in thousands of cubic feet per acre for trees greater than 5.0 inches Dbh. Merchantable tops are 5.0 inches.

bdvol Board foot scribner volume in thousands of board feet per acre for trees greater than 6.0 inches Dbh. Merchantable tops are 5.0 inches.

tpa Number of trees per acre greater than 0.0 inches Dbh.

dbar Quadratic mean tree Dbh based on trees greater than 0.0 inches Dbh.

basar Basal area per acre in square feet for trees greater than 0.0 inches Dbh.

bagro Net five year periodic basal area growth in square feet.

cvgro Net five year periodic volume growth in thousands of cubic feet.

bdgro Net five year periodic volume growth in thousands of board feet, scribner scale.

As a cautionary note, growth estimates are computed as the difference between succesive standing inventory estimates. Consequently, the growth estimates tend to be 'lumpy' due to trees growing into the lower diameter limit for the appropriate volume category.

IV. YIELD TABLE CLASSIFICATION

The yield tables are classified by three items that are specific to each of the two species components: (a) initial trees per acre, (b) site index, and (c) initial breast high age of dominants. The initial trees per acre figure is in terms of all trees greater than 0.0 inches Dbh.

In addition to the above items, yield tables are further classified by a treatment code. Treatments can be thought of as a) doing nothing or b) performing some form of partial harvest. As there are innumerable harvest prescriptions that can be specified, the following coding system was developed from which possibilities were selected.

Harvest Type Codes

N No partial harvests were made.

A Thinning is from above and removals are centered in the codominant crown class with some intermediates and most of the dominants being removed.

B Thinning is from below and removals are centered in the intermediate crown class with all suppressed trees and some codominant and dominant trees being removed.

C Thinning is accross all crown classes. The basic shape of the pre-harvest diameter distribution is preserved.

Harvest Age Codes

The average breast-high age of redwoods in pure or mixed stands is also used to characterize the treatment code. In pure fir stands, the age figure is for the Douglas fir component.

Harvest Intensity Code

The harvest intensity code is specified as the proportion of before-cut basal area removed during the harvest. This figure is an approximation and the actual harvests may differ from this amount by a few percent.

The treatment codes are subsequently specified by these three characteristics and have the following general form:

harvest type/age/intensity

As an example, a code of

A/50/.4

would indicate the stand was subjected to a thinning from above at age 50 to remove 40% of the before-cut basal area. A code of the form

B/20/.4 A/60/.3

would indicate multiple harvests at ages 20 and 60.

Harvest summary statistics are computed as the difference between the before and after harvest stand inventory. Consequently the average stand diameter (dqar) attributed to harvests is negative if the average size of trees removed is less than the before-cut stand average.

V. SYNOPSIS OF YIELD TABLES

The following table is a synopsis of the inital stand conditions and treatments applied to each of the illustrative stands for which projections were made and subsequently tabulated. All of the conventional yield table summary statistics for a single stand such as stems per acre, average size, volumes, growth, etc. are contained in a single table.

	REDWOOD			DOUGLAS FIR			
Table No.	tpa	site index	initial age	tpa	site index	initial age	treatment code
1	150	110	20				N
2	300	110	20				N
3	450	110	20				N
4				150	130	20	N
5				300	130	20	N
6				450	130	20	N
7	300	90	20				N
8	300	130	20				N
9				300	110	20	N
10				300	145	20	N
11	200	110	20	100	130	14	N
12	300	110	20				B/50/.3
13	300	110	20				A/50/.3
14				300	130	20	B/50/.3
15				300	130	20	A/50/.3
16	600	110	10				N
17	600	110	10				B/10/.3 B/25/.3 C/50/.3
18				600	130	10	N
19				600	130	20	B/10/.3 B/25/.3 C/50/.3

Currently, the CHYPIOS program has been calibrated using a small sample that may not be totally representative. Hence, in evaluating these tables, the most useful form of review is on a relative basis.

The initial tree lists used to start the simulations that produced these tables were created with a 'stand generator program.' An artifact of this program is that the resultant tree lists represent an 'idealized' stand; the distributions of tree diameters, heights, and crown sizes is very smooth. Much of the structural and density differences that exist within many natural stands is absent. Consequently, growth rates in these tables may be somewhat higher than actual stands. (The average growth of a sparse and overstocked stand is not the same as the growth of a well stocked stand.)

The first three tables represent different densities for pure redwood stands on a site index of 110; the approximate average redwood site index of available sample plots. The next three tables are for different densities of Douglas fir stands on a site index of 130 which is the approximate average sample Douglas fir site index. Tables 7-8 and 9-10 portray site index differences of redwood and Douglas fir respectively.

The growth and yield estimates for redwood tend to be somewhat higher than the yield tables of Lindquist and Pally (Bulletin 796) but lower than their companion growth tables (bulletin 631). Another similarity between these tables and the yield tables of Lindquist and Palley is that the yield of redwood is almost a linear function of age throughout the age ranges conventionally associated with young growth timber. The Douglas fir yield estimates exhibit a somewhat more classical sigmoidal structure. Checks of the basal area growth rates of Douglas fir in these tables with estimates developed by King[1] for Douglas fir in the Northwest indicate a reasonable conformance even though less than 10 percent of the available sample plots had more than seventy percent Douglas fir by basal area and none were from pure Douglas fir stands.

Table 11. is for a mixed even-aged stand. Mixed stands tend to be unique in their development due to the interaction of two factors; (1) breast high ages of Douglas fir tend to be about six years less than redwood in many stands because of the sprouting ability of redwoods and (2) the site index of Douglas fir tends to be about twenty feet higher although this figure is quite variable. (Cases have been found where the difference is as much as forty feet but in a few instances, redwood site indices are higher than the fir. The general effect in in mixed stands is that redwood has higher relative growth rates initially but this shifts to Douglas fir in older stands.

Tables 12 and 13 represent the stand portrayed by table 2 thinned from below and above respectively at age fifty. Tables 14 and 15 are the counterparts for Douglas fir. Table 16 is a heavily stocked redwood stand with the simulation starting at age 10. The data sets for small trees and extreme stocking levels were weak so this table is an indication of the limits of extrapolation. Table 17 is the same stand only it has been subjected to a precommercial thinning and two commercial thinnings. Tables 18 and 19 are counterparts for Douglas fir.

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1. King, James E. 1970. Principles of Growing Stock Classification for Even-Aged Stands and an Application to Natural Douglas Fir Forests. PhD. Thesis Univ of Wash. 90 p.

YIELD SUMMARY

stand label = Table No. 1

redwood site 110. init. age 20.
doug fir site 131. init. age 17.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
redwds	0.	9.46	150.0	73.3	0.95	2.70	0.0	0.00	0.00
totals	0.	9.46	150.0	73.3	0.95	2.70	0.0	0.00	0.00
redwds	5.	11.38	146.9	103.7	1.56	5.17	30.5	0.62	2.47
totals	5.	11.38	146.9	103.7	1.56	5.17	30.5	0.62	2.47
redwds	10.	12.98	144.9	133.2	2.28	8.37	29.5	0.71	3.20
totals	10.	12.98	144.9	133.2	2.28	8.37	29.5	0.71	3.20
redwds	15.	14.37	143.5	161.5	3.08	12.28	28.3	0.80	3.91
totals	15.	14.37	143.5	161.5	3.08	12.28	28.3	0.80	3.91
redwds	20.	15.58	142.4	188.6	3.96	16.88	27.1	0.88	4.60
totals	20.	15.58	142.4	188.6	3.96	16.88	27.1	0.88	4.60
redwds	25.	16.67	141.6	214.5	4.91	22.07	25.9	0.95	5.18
totals	25.	16.67	141.6	214.5	4.91	22.07	25.9	0.95	5.18
redwds	30.	17.65	140.9	239.3	5.91	27.83	24.8	1.00	5.77
totals	30.	17.65	140.9	239.3	5.91	27.83	24.8	1.00	5.77
redwds	35.	18.54	140.3	263.1	6.95	34.15	23.8	1.04	6.32
totals	35.	18.54	140.3	263.1	6.95	34.15	23.8	1.04	6.32
redwds	40.	19.36	139.9	285.9	8.02	40.93	22.8	1.08	6.78
totals	40.	19.36	139.9	285.9	8.02	40.93	22.8	1.08	6.78
redwds	45.	20.12	139.5	307.9	9.12	48.12	22.0	1.10	7.19
totals	45.	20.12	139.5	307.9	9.12	48.12	22.0	1.10	7.19
redwds	50.	20.82	139.1	329.0	10.24	55.68	21.2	1.12	7.56
totals	50.	20.82	139.1	329.0	10.24	55.68	21.2	1.12	7.56
redwds	55.	21.48	138.8	349.4	11.38	63.54	20.4	1.13	7.86
totals	55.	21.48	138.8	349.4	11.38	63.54	20.4	1.13	7.86
redwds	60.	22.10	138.6	369.1	12.52	71.66	19.7	1.14	8.12
totals	60.	22.10	138.6	369.1	12.52	71.66	19.7	1.14	8.12
redwds	65.	22.68	138.3	388.1	13.66	79.98	19.0	1.14	8.33
totals	65.	22.68	138.3	388.1	13.66	79.98	19.0	1.14	8.33
redwds	70.	23.23	138.1	406.5	14.80	88.47	18.4	1.14	8.48
totals	70.	23.23	138.1	406.5	14.80	88.47	18.4	1.14	8.48
redwds	75.	23.75	137.9	424.3	15.92	97.05	17.8	1.13	8.58
totals	75.	23.75	137.9	424.3	15.92	97.05	17.8	1.13	8.58
redwds	80.	24.24	137.7	441.5	17.04	105.71	17.2	1.12	8.66
totals	80.	24.24	137.7	441.5	17.04	105.71	17.2	1.12	8.66

YIELD SUMMARY

stand label = Table No. 2

redwood site 110. init. age 20.
doug fir site 131. init. age 17.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
redwds	0.	8.13	300.0	108.0	1.40	3.76	0.0	0.00	0.00
totals	0.	8.13	300.0	108.0	1.40	3.76	0.0	0.00	0.00
redwds	5.	9.66	291.9	148.5	2.25	7.16	40.5	0.86	3.40
totals	5.	9.66	291.9	148.5	2.25	7.16	40.5	0.86	3.40
redwds	10.	10.97	286.1	187.9	3.29	11.50	39.5	1.03	4.34
totals	10.	10.97	286.1	187.9	3.29	11.50	39.5	1.03	4.34
redwds	15.	12.13	281.7	225.9	4.42	16.72	38.0	1.14	5.22
totals	15.	12.13	281.7	225.9	4.42	16.72	38.0	1.14	5.22
redwds	20.	13.15	278.2	262.3	5.65	23.09	36.4	1.23	6.37
totals	20.	13.15	278.2	262.3	5.65	23.09	36.4	1.23	6.37
redwds	25.	14.06	275.4	297.1	6.96	30.14	34.8	1.31	7.06
totals	25.	14.06	275.4	297.1	6.96	30.14	34.8	1.31	7.06
redwds	30.	14.89	273.0	330.3	8.34	38.00	33.2	1.38	7.86
totals	30.	14.89	273.0	330.3	8.34	38.00	33.2	1.38	7.86
redwds	35.	15.65	271.0	362.1	9.76	46.31	31.8	1.42	8.30
totals	35.	15.65	271.0	362.1	9.76	46.31	31.8	1.42	8.30
redwds	40.	16.35	269.2	392.5	11.21	55.35	30.4	1.46	9.04
totals	40.	16.35	269.2	392.5	11.21	55.35	30.4	1.46	9.04
redwds	45.	16.99	267.7	421.6	12.70	64.70	29.1	1.48	9.35
totals	45.	16.99	267.7	421.6	12.70	64.70	29.1	1.48	9.35
redwds	50.	17.59	266.3	449.6	14.19	74.51	28.0	1.50	9.81
totals	50.	17.59	266.3	449.6	14.19	74.51	28.0	1.50	9.81
redwds	55.	18.15	265.1	476.5	15.70	84.56	26.9	1.50	10.05
totals	55.	18.15	265.1	476.5	15.70	84.56	26.9	1.50	10.05
redwds	60.	18.68	264.0	502.3	17.20	94.85	25.8	1.50	10.28
totals	60.	18.68	264.0	502.3	17.20	94.85	25.8	1.50	10.28
redwds	65.	19.17	263.0	527.1	18.69	105.28	24.8	1.49	10.43
totals	65.	19.17	263.0	527.1	18.69	105.28	24.8	1.49	10.43
redwds	70.	19.63	262.1	550.9	20.16	115.79	23.8	1.47	10.51
totals	70.	19.63	262.1	550.9	20.16	115.79	23.8	1.47	10.51
redwds	75.	20.07	261.3	573.8	21.61	126.30	22.9	1.45	10.51
totals	75.	20.07	261.3	573.8	21.61	126.30	22.0	1.45	10.51
redwds	80.	20.48	260.5	595.8	23.03	136.76	22.0	1.42	10.46
totals	80.	20.48	260.5	595.8	23.03	136.76	22.0	1.42	10.46

YIELD SUMMARY

stand label = Table No. 3

redwood site 110. init. age 20.
doug fir site 131. init. age 17.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
redwds	0.	7.20	450.0	127.4	1.63	4.12	0.0	0.00	0.00
totals	0.	7.20	450.0	127.4	1.63	4.12	0.0	0.00	0.00
redwds	5.	8.57	435.6	174.6	2.67	8.08	47.2	1.04	3.97
totals	5.	8.57	435.6	174.6	2.67	8.08	47.2	1.04	3.97
redwds	10.	9.75	424.9	220.4	3.89	13.12	45.8	1.22	5.04
totals	10.	9.75	424.9	220.4	3.89	13.12	45.8	1.22	5.04
redwds	15.	10.79	416.5	264.4	5.22	19.09	44.0	1.34	5.97
totals	15.	10.79	416.5	264.4	5.22	19.09	44.0	1.34	5.97
redwds	20.	11.71	409.6	306.3	6.66	26.44	42.0	1.44	7.35
totals	20.	11.71	409.6	306.3	6.66	26.44	42.0	1.44	7.35
redwds	25.	12.54	403.9	346.3	8.20	34.21	40.0	1.54	7.78
totals	25.	12.54	403.9	346.3	8.20	34.21	40.0	1.54	7.78
redwds	30.	13.29	399.0	384.4	9.78	43.40	38.1	1.57	9.18
totals	30.	13.29	399.0	384.4	9.78	43.40	38.1	1.57	9.18
redwds	35.	13.98	394.8	420.8	11.40	52.62	36.4	1.62	9.22
totals	35.	13.98	394.8	420.8	11.40	52.62	36.4	1.62	9.22
redwds	40.	14.62	391.0	455.5	13.05	62.59	34.8	1.65	9.97
totals	40.	14.62	391.0	455.5	13.05	62.59	34.8	1.65	9.97
redwds	45.	15.21	387.7	488.9	14.73	73.32	33.3	1.68	10.73
total	45.	15.21	387.7	488.9	14.73	73.32	33.3	1.68	10.73
redwds	50.	15.75	384.7	520.8	16.43	84.21	32.0	1.69	10.89
totals	50.	15.75	384.7	520.8	16.43	84.21	32.0	1.69	10.89
redwds	55.	16.27	382.0	551.5	18.13	95.27	30.7	1.70	11.06
totals	55.	16.27	382.0	551.5	18.13	95.27	30.7	1.70	11.06
redwds	60.	16.75	379.6	581.0	19.82	106.56	29.5	1.69	11.28
totals	60.	16.75	379.6	581.0	19.82	106.56	29.5	1.69	11.28
redwds	65.	17.21	377.4	609.4	21.50	118.29	28.4	1.68	11.73
totals	65.	17.21	377.4	609.4	21.50	118.29	28.4	1.68	11.73
redwds	70.	17.64	375.3	636.6	23.17	129.82	27.3	1.67	11.53
totals	70.	17.64	375.3	636.6	23.17	129.82	27.3	1.67	11.53
redwds	75.	18.04	373.4	662.8	24.80	141.34	26.2	1.63	11.52
totals	75.	18.04	373.4	662.8	24.80	141.34	26.2	1.63	11.52
redwds	80.	18.42	371.7	688.0	26.39	152.77	25.1	1.59	11.43
totals	80.	18.42	371.7	688.0	26.39	152.77	25.1	1.59	11.43

YIELD SUMMARY

stand label = Table No. 4

redwood site 107. init. age 31.
doug fir site 130. init. age 20.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
dougfr	0.	8.78	150.0	63.1	1.17	3.07	0.0	0.00	0.00
totals	0.	8.78	150.0	63.1	1.17	3.07	0.0	0.00	0.00
dougfr	5.	10.81	143.5	91.4	2.03	6.86	28.3	0.86	3.79
totals	5.	10.81	143.5	91.4	2.03	6.86	28.3	0.86	3.79
dougfr	10.	12.58	138.7	119.6	3.08	12.06	28.2	1.05	5.20
totals	10.	12.58	138.7	119.6	3.08	12.06	28.2	1.05	5.20
dougfr	15.	14.09	134.8	146.1	4.24	18.22	26.4	1.16	6.16
totals	15.	14.09	134.8	146.1	4.24	18.22	26.4	1.16	6.16
dougfr	20.	15.42	131.6	170.7	5.49	25.48	24.6	1.25	7.26
totals	20.	15.42	131.6	170.7	5.49	25.48	24.6	1.25	7.26
dougfr	25.	16.60	128.9	193.7	6.81	33.65	23.0	1.32	8.17
totals	25.	16.60	128.9	193.7	6.81	33.65	23.0	1.32	8.17
dougfr	30.	17.65	126.6	215.2	8.17	42.59	21.6	1.36	8.94
totals	30.	17.65	126.6	215.2	8.17	42.59	21.6	1.36	8.94
dougfr	35.	18.62	124.6	235.6	9.56	52.06	20.3	1.39	9.47
totals	35.	18.62	124.6	235.6	9.56	52.06	20.3	1.39	9.47
dougfr	40.	19.51	122.8	254.9	10.97	62.12	19.3	1.41	10.05
totals	40.	19.51	122.8	254.9	10.97	62.12	19.3	1.41	10.05
dougfr	45.	20.34	121.1	273.2	12.39	72.56	18.4	1.42	10.45
totals	45.	20.34	121.1	273.2	12.39	72.56	18.4	1.42	10.45
dougfr	50.	21.11	119.7	290.8	13.80	83.34	17.5	1.42	10.77
totals	50.	21.11	119.7	290.8	13.80	83.34	17.5	1.42	10.77
dougfr	55.	21.83	118.3	307.6	15.21	94.36	16.8	1.41	11.02
totals	55.	21.83	118.3	307.6	15.21	94.36	16.8	1.41	11.02
dougfr	60.	22.51	117.1	323.7	16.61	105.55	16.1	1.40	11.19
totals	60.	22.51	117.1	323.7	16.61	105.55	16.1	1.40	11.19
dougfr	65.	23.16	116.0	339.2	17.98	116.83	15.5	1.38	11.29
totals	65.	23.16	116.0	339.2	17.98	116.83	15.5	1.38	11.29
dougfr	70.	23.77	114.9	354.2	19.34	128.16	15.0	1.35	11.33
totals	70.	23.77	114.9	354.2	19.34	128.16	15.0	1.35	11.33
dougfr	75.	24.35	114.0	368.6	20.66	139.48	14.4	1.33	11.31
totals	75.	24.35	114.0	368.6	20.66	139.48	14.4	1.33	11.31
dougfr	80.	24.91	113.0	382.6	21.97	150.74	14.0	1.30	11.26
totals	80.	24.91	113.0	382.6	21.97	150.74	14.0	1.30	11.26

YIELD SUMMARY

stand label = Table No. 5

redwood site 107. init. age 31.
doug fir site 130. init. age 20.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
dougfr	0.	7.66	300.0	96.0	1.82	4.39	0.0	0.00	0.00
totals	0.	7.66	300.0	96.0	1.82	4.39	0.0	0.00	0.00
dougfr	5.	9.12	286.3	130.0	3.01	9.55	33.9	1.19	5.16
totals	5.	9.12	286.3	130.0	3.01	9.55	33.9	1.19	5.16
dougfr	10.	10.36	275.1	161.0	4.36	15.76	31.0	1.35	6.21
totals	10.	10.36	275.1	161.0	4.36	15.76	31.0	1.35	6.21
dougfr	15.	11.41	265.6	188.7	5.78	23.55	27.7	1.42	7.79
totals	15.	11.41	265.6	188.7	5.78	23.55	27.7	1.42	7.79
dougfr	20.	12.33	257.4	213.6	7.25	31.96	24.9	1.47	8.41
totals	20.	12.33	257.4	213.6	7.25	31.96	24.9	1.47	8.41
dougfr	25.	13.16	250.2	236.3	8.77	41.19	22.7	1.52	9.23
totals	25.	13.16	250.2	236.3	8.77	41.19	22.7	1.52	9.23
dougfr	30.	13.91	243.7	257.3	10.29	50.66	21.0	1.52	9.47
totals	30.	13.91	243.7	257.3	10.29	50.66	21.0	1.52	9.47
dougfr	35.	14.61	237.3	276.8	11.82	61.09	19.5	1.53	10.43
totals	35.	14.61	237.3	276.8	11.82	61.09	19.5	1.53	10.43
dougfr	40.	15.26	232.5	295.2	13.35	71.52	18.4	1.53	10.43
totals	40.	15.26	232.5	295.2	13.35	71.52	18.4	1.53	10.43
dougfr	45.	15.86	227.7	312.5	14.87	82.70	17.4	1.52	11.18
totals	45.	15.86	227.7	312.5	14.87	82.70	17.4	1.52	11.18
dougfr	50.	16.44	223.2	329.0	16.37	93.68	16.5	1.50	10.98
totals	50.	16.44	223.2	329.0	16.37	93.68	16.5	1.50	10.98
dougfr	55.	16.93	219.1	344.6	17.84	104.98	15.6	1.47	11.30
totals	55.	16.93	219.1	344.6	17.84	104.98	15.6	1.47	11.30
dougfr	60.	17.50	215.3	359.5	19.28	116.28	14.9	1.44	11.30
totals	60.	17.50	215.3	359.5	19.28	116.28	14.9	1.44	11.30
dougfr	65.	17.99	211.7	373.7	20.68	127.41	14.2	1.40	11.12
totals	65.	17.99	211.7	373.7	20.68	127.41	14.2	1.40	11.12
dougfr	70.	18.46	208.4	387.2	22.04	138.73	13.5	1.36	11.32
totals	70.	18.46	208.4	387.2	22.04	138.73	13.5	1.36	11.32
dougfr	75.	18.90	205.3	400.1	23.36	149.62	12.9	1.32	10.89
totals	75.	18.90	205.3	400.1	23.36	149.62	12.9	1.32	10.89
dougfr	80.	19.33	202.4	412.4	24.63	160.32	12.3	1.27	10.70
totals	80.	19.33	202.4	412.4	24.63	160.32	12.3	1.27	10.70

YIELD SUMMARY

stand label = Table No. 6

redwood site 107. init. age 31.
doug fir site 130. init. age 20.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
dougfr	0.	6.81	450.0	113.9	2.16	4.69	0.0	0.00	0.00
totals	0.	6.81	450.0	113.9	2.16	4.69	0.0	0.00	0.00
dougfr	5.	8.03	428.7	150.7	3.55	10.30	36.9	1.39	5.61
totals	5.	8.03	428.7	150.7	3.55	10.30	36.9	1.39	5.61
dougfr	10.	9.00	410.7	181.5	5.02	16.51	30.8	1.48	6.22
totals	10.	9.00	410.7	181.5	5.02	16.51	30.8	1.48	6.22
dougfr	15.	9.82	395.0	207.8	6.49	24.63	26.3	1.47	8.17
totals	15.	9.82	395.0	207.8	6.49	24.63	26.3	1.47	8.17
dougfr	20.	10.54	380.9	231.0	7.99	33.12	23.2	1.50	8.44
totals	20.	10.54	380.9	231.0	7.99	33.12	23.2	1.50	8.44
dougfr	25.	11.20	368.3	252.0	9.52	41.95	20.9	1.54	8.83
totals	25.	11.20	368.3	252.0	9.52	41.95	20.9	1.54	8.83
dougfr	30.	11.81	356.7	271.3	11.02	51.28	19.3	1.50	9.33
totals	30.	11.81	356.7	271.3	11.02	51.28	19.3	1.50	9.33
dougfr	35.	12.38	346.2	289.3	12.54	61.60	18.0	1.52	10.32
totals	35.	12.38	346.2	289.3	12.54	61.60	18.0	1.52	10.32
dougfr	40.	12.92	336.5	306.3	14.06	71.96	17.0	1.52	10.36
totals	40.	12.92	336.5	306.3	14.06	71.96	17.0	1.52	10.36
dougfr	45.	13.43	327.6	322.4	15.55	82.50	16.1	1.49	10.54
totals	45.	13.43	327.6	322.4	15.55	82.50	16.1	1.49	10.54
dougfr	50.	13.93	319.3	337.7	17.05	93.69	15.3	1.50	11.19
totals	50.	13.93	319.3	337.7	17.05	93.69	15.3	1.50	11.19
dougfr	55.	14.40	311.6	352.4	18.50	104.27	14.7	1.45	10.58
totals	55.	14.40	311.6	352.4	18.50	104.27	14.7	1.45	10.53
dougfr	60.	14.85	304.5	366.3	19.91	115.28	14.0	1.41	11.02
totals	60.	14.85	304.5	366.3	19.91	115.28	14.0	1.41	11.02
dougfr	65.	15.29	297.8	379.7	21.28	125.87	13.3	1.38	10.59
totals	65.	15.29	297.8	379.7	21.28	125.87	13.3	1.38	10.59
dougfr	70.	15.71	291.6	392.4	22.62	136.36	12.7	1.33	10.49
totals	70.	15.71	291.6	392.4	22.62	136.36	12.7	1.33	10.49
dougfr	75.	16.11	285.7	404.4	23.90	147.00	12.1	1.29	10.63
totals	75.	16.11	285.7	404.4	23.90	147.00	12.1	1.29	10.63
dougfr	80.	16.50	280.2	416.0	25.15	157.82	11.5	1.25	10.82
totals	80.	16.50	280.2	416.0	25.15	157.82	11.5	1.25	10.82

YIELD SUMMARY

stand label = Table No. 7

redwood site 90. init. age 20.
doug fir site 122. init. age 15.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
redwds	0.	7.42	300.0	90.0	0.93	1.99	0.0	0.00	0.00
totals	0.	7.42	300.0	90.0	0.93	1.99	0.0	0.00	0.00
redwds	5.	8.86	291.1	124.6	1.50	3.98	34.6	0.57	1.98
totals	5.	8.86	291.1	124.6	1.50	3.98	34.6	0.57	1.98
redwds	10.	10.09	284.8	158.0	2.17	6.55	33.4	0.67	2.57
totals	10.	10.09	284.8	158.0	2.17	6.55	33.4	0.67	2.57
redwds	15.	11.15	279.9	190.0	2.92	9.66	32.0	0.75	3.11
totals	15.	11.15	279.9	190.0	2.92	9.66	32.0	0.75	3.11
redwds	20.	12.10	276.1	220.5	3.74	13.44	30.5	0.82	3.78
totals	20.	12.10	276.1	220.5	3.74	13.44	30.5	0.82	3.78
redwds	25.	12.95	272.9	249.6	4.61	17.44	29.1	0.87	4.00
totals	25.	12.95	272.9	249.6	4.61	17.44	29.1	0.87	4.00
redwds	30.	13.72	270.2	277.3	5.53	22.17	27.7	0.92	4.73
totals	30.	13.72	270.2	277.3	5.53	22.17	27.7	0.92	4.73
redwds	35.	14.42	267.9	303.8	6.48	27.16	26.5	0.95	4.99
totals	35.	14.42	267.9	303.8	6.48	27.16	26.5	0.95	4.99
redwds	40.	15.06	265.9	329.1	7.46	32.44	25.3	0.98	5.29
totals	40.	15.06	265.9	329.1	7.46	32.44	25.3	0.98	5.29
redwds	45.	15.66	264.1	353.4	8.46	38.19	24.3	1.00	5.75
totals	45.	15.66	264.1	353.4	8.46	38.19	24.3	1.00	5.75
redwds	50.	16.22	262.6	376.6	9.48	44.09	23.3	1.02	5.90
totals	50.	16.22	262.6	376.6	9.48	44.09	23.3	1.02	5.90
redwds	55.	16.74	261.2	399.0	10.50	50.21	22.3	1.03	6.12
totals	55.	16.74	261.2	399.0	10.50	50.21	22.3	1.03	6.12
redwds	60.	17.22	259.9	420.4	11.53	56.57	21.5	1.03	6.36
totals	60.	17.22	259.9	420.4	11.53	56.57	21.5	1.03	6.36
redwds	65.	17.68	258.7	441.1	12.56	63.01	20.6	1.03	6.45
totals	65.	17.68	258.7	441.1	12.56	63.01	20.6	1.03	6.45
redwds	70.	18.11	257.7	460.9	13.58	69.55	19.8	1.02	6.54
totals	70.	18.11	257.7	460.9	13.58	69.55	19.8	1.02	6.54
redwds	75.	18.52	256.7	480.0	14.59	76.14	19.1	1.01	6.59
totals	75.	18.52	256.7	480.0	14.59	76.14	19.1	1.01	6.59
redwds	80.	18.90	255.8	498.4	15.58	82.76	18.4	0.99	6.62
totals	80.	18.90	255.8	498.4	15.58	82.76	18.4	0.99	6.62

YIELD SUMMARY

stand label = Table No. 3

redwood site 130. init. age 20.
doug fir site 141. init. age 19.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
redwds	0.	8.85	300.0	128.1	2.01	6.48	0.0	0.00	0.00
totals	0.	8.85	300.0	128.1	2.01	6.48	0.0	0.00	0.00
redwds	5.	10.41	292.5	173.0	3.22	11.50	44.9	1.21	5.02
totals	5.	10.41	292.5	173.0	3.22	11.50	44.9	1.21	5.02
redwds	10.	11.78	287.2	217.2	4.65	18.14	44.2	1.42	6.64
totals	10.	11.78	287.2	217.2	4.65	18.14	44.2	1.42	6.64
redwds	15.	12.98	283.1	260.0	5.23	26.54	42.9	1.58	8.39
totals	15.	12.98	283.1	260.0	5.23	26.54	42.9	1.58	8.39
redwds	20.	14.05	280.0	301.2	7.93	35.98	41.2	1.70	9.45
totals	20.	14.05	280.0	301.2	7.93	35.98	41.2	1.70	9.45
redwds	25.	15.01	277.4	340.7	9.73	47.02	39.5	1.80	11.04
totals	25.	15.01	277.4	340.7	9.73	47.02	39.5	1.80	11.04
redwds	30.	15.88	275.2	378.5	11.61	58.65	37.8	1.89	11.63
totals	30.	15.88	275.2	378.5	11.61	58.65	37.8	1.89	11.63
redwds	35.	16.68	273.4	414.8	13.55	71.38	36.3	1.94	12.73
totals	35.	16.68	273.4	414.8	13.55	71.38	36.3	1.94	12.73
redwds	40.	17.42	271.8	449.6	15.53	84.70	34.8	1.98	13.32
totals	40.	17.42	271.8	449.6	15.53	84.70	34.8	1.98	13.32
redwds	45.	18.10	270.4	483.0	17.54	98.64	33.4	2.01	13.94
totals	45.	18.10	270.4	483.0	17.54	98.64	33.4	2.01	13.94
redwds	50.	18.73	269.2	515.1	19.56	113.17	32.1	2.02	14.53
totals	50.	18.73	269.2	515.1	19.56	113.17	32.1	2.02	14.53
redwds	55.	19.32	268.1	546.0	21.59	128.01	30.9	2.02	14.83
totals	55.	19.32	268.1	546.0	21.59	128.01	30.9	2.02	14.83
redwds	60.	19.88	267.1	575.7	23.60	143.11	29.7	2.02	15.10
totals	60.	19.88	267.1	575.7	23.60	143.11	29.7	2.02	15.10
redwds	65.	20.40	266.2	604.2	25.60	158.35	28.6	1.99	15.24
totals	65.	20.40	266.2	604.2	25.60	158.35	28.6	1.99	15.24
redwds	70.	20.89	265.4	631.7	27.56	173.63	27.5	1.96	15.28
totals	70.	20.89	265.4	631.7	27.56	173.63	27.5	1.96	15.28
redwds	75.	21.35	264.7	658.1	29.49	188.85	26.4	1.92	15.22
totals	75.	21.35	264.7	658.1	29.49	188.85	26.4	1.92	15.22
redwds	80.	21.79	264.0	683.4	31.37	203.92	25.3	1.88	15.07
totals	80.	21.79	264.0	683.4	31.37	203.92	25.3	1.88	15.07

YIELD SUMMARY

stand label = Table No. 3

redwood site 98. init. age 3 .
doug fir site 110. init. age 20.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
dougfr	0.	7.02	300.0	80.6	1.21	2.36	0.0	0.00	0.00
totals	0.	7.02	300.0	80.6	1.21	2.36	0.0	0.00	0.00
dougfr	5.	8.39	285.3	109.6	2.09	5.40	29.0	0.88	3.04
totals	5.	8.39	285.3	109.6	2.09	5.40	29.0	0.88	3.04
dougfr	10.	9.57	273.3	136.6	3.03	9.49	27.0	0.94	4.09
totals	10.	9.57	273.3	136.6	3.03	9.49	27.0	0.94	4.09
dougfr	15.	10.58	263.2	160.6	4.06	14.42	24.1	1.03	4.92
totals	15.	10.58	263.2	160.6	4.06	14.42	24.1	1.03	4.92
dougfr	20.	11.46	254.5	182.3	5.10	19.71	21.7	1.04	5.30
totals	20.	11.46	254.5	182.3	5.10	19.71	21.7	1.04	5.30
dougfr	25.	12.25	246.7	202.0	6.18	25.56	19.7	1.08	5.85
totals	25.	12.25	246.7	202.0	6.18	25.56	19.7	1.08	5.85
dougfr	30.	12.97	239.9	220.0	7.25	31.86	18.1	1.07	6.29
totals	30.	12.97	239.9	220.0	7.25	31.86	18.1	1.07	6.29
dougfr	35.	13.63	233.6	236.8	8.33	38.33	16.8	1.08	6.47
totals	35.	13.63	233.6	236.8	8.33	38.33	16.8	1.08	6.47
dougfr	40.	14.25	228.0	252.4	9.39	44.99	15.6	1.07	6.67
totals	40.	14.25	228.0	252.4	9.39	44.99	15.6	1.07	6.67
dougfr	45.	14.83	222.8	267.1	10.45	52.08	14.7	1.06	7.09
totals	45.	14.83	222.8	267.1	10.45	52.08	14.7	1.06	7.09
dougfr	50.	15.37	218.1	281.0	11.49	59.11	13.9	1.04	7.03
totals	50.	15.37	218.1	281.0	11.49	59.11	13.9	1.04	7.03
dougfr	55.	15.88	213.7	294.1	12.51	66.06	13.1	1.02	6.95
totals	55.	15.88	213.7	294.1	12.51	66.06	13.1	1.02	6.95
dougfr	60.	16.37	209.7	306.6	13.51	73.16	12.4	1.00	7.10
totals	60.	16.37	209.7	306.6	13.51	73.16	12.4	1.00	7.10
dougfr	65.	16.84	205.9	318.4	14.48	80.11	11.8	0.97	6.96
totals	65.	16.84	205.9	318.4	14.48	80.11	11.8	0.97	6.96
dougfr	70.	17.28	202.4	329.7	15.43	87.30	11.3	0.95	7.19
totals	70.	17.28	202.4	329.7	15.43	87.30	11.3	0.95	7.19
dougfr	75.	17.71	199.0	340.5	16.34	94.16	10.8	0.92	6.85
totals	75.	17.71	199.0	340.5	16.34	94.16	10.8	0.92	6.85
dougfr	80.	18.12	195.9	350.7	17.23	100.90	10.3	0.89	6.75
totals	80.	18.12	195.9	350.7	17.23	100.90	10.3	0.89	6.75

YIELD SUMMARY

stand label = Table No. 10

redwood site 114. init. age 32.
doug fir site 145. init. age 20.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
dougfr	0.	8.12	300.0	107.8	2.29	5.93	0.0	0.00	0.00
totals	0.	8.12	300.0	107.8	2.29	5.93	0.0	0.00	0.00
dougfr	5.	9.64	286.9	145.3	3.79	12.91	37.6	1.50	6.98
totals	5.	9.64	286.9	145.3	3.79	12.91	37.6	1.50	6.98
dougfr	10.	10.91	276.2	179.4	5.48	21.58	34.1	1.69	8.67
totals	10.	10.91	276.2	179.4	5.48	21.58	34.1	1.69	8.67
dougfr	15.	11.99	267.2	209.6	7.25	31.77	30.2	1.77	10.19
totals	15.	11.99	267.2	209.6	7.25	31.77	30.2	1.77	10.19
dougfr	20.	12.94	259.3	236.7	9.09	43.02	27.1	1.83	11.25
totals	20.	12.94	259.3	236.7	9.09	43.02	27.1	1.83	11.25
dougfr	25.	13.78	252.4	261.4	10.98	55.34	24.7	1.89	12.32
totals	25.	13.78	252.4	261.4	10.98	55.34	24.7	1.89	12.32
dougfr	30.	14.55	246.1	284.2	12.87	68.08	22.9	1.89	12.73
totals	30.	14.55	246.1	284.2	12.87	68.08	22.9	1.89	12.73
dougfr	35.	15.27	240.5	305.7	14.78	82.00	21.4	1.91	13.93
totals	35.	15.27	240.5	305.7	14.78	82.00	21.4	1.91	13.93
dougfr	40.	15.93	235.4	325.9	16.70	96.04	20.2	1.92	14.04
totals	40.	15.93	235.4	325.9	16.70	96.04	20.2	1.92	14.04
dougfr	45.	16.56	230.7	345.1	18.60	110.99	19.2	1.90	14.95
totals	45.	16.56	230.7	345.1	18.60	110.99	19.2	1.90	14.95
dougfr	50.	17.15	226.4	363.4	20.49	125.80	18.3	1.88	14.81
totals	50.	17.15	226.4	363.4	20.49	125.80	18.3	1.88	14.81
dougfr	55.	17.72	222.4	380.8	22.34	140.99	17.4	1.86	15.19
totals	55.	17.72	222.4	380.8	22.34	140.99	17.4	1.86	15.19
dougfr	60.	18.25	218.8	397.4	24.16	156.06	16.7	1.82	15.06
totals	60.	18.25	218.8	397.4	24.16	156.06	16.7	1.82	15.06
dougfr	65.	18.76	215.3	413.4	25.94	171.25	15.9	1.77	15.19
totals	65.	18.76	215.3	413.4	25.94	171.25	15.9	1.77	15.19
dougfr	70.	19.25	212.1	428.6	27.66	186.14	15.2	1.72	14.89
totals	70.	19.25	212.1	428.6	27.66	186.14	15.2	1.72	14.89
dougfr	75.	19.71	209.1	443.1	29.33	201.13	14.5	1.67	15.00
totals	75.	19.71	209.1	443.1	29.33	201.13	14.5	1.67	15.00
dougfr	80.	20.15	206.3	456.9	30.93	215.57	13.8	1.61	14.44
totals	80.	20.15	206.3	456.9	30.93	215.57	13.8	1.61	14.44

YIELD SUMMARY

stand label = Table No. 11

redwood site 110. init. age 20.
doug fir site 130. init. age 14.

species	et	dbar	tpa	basar	cfvol	tcvol	bagro	cvgro	tcgro
redwos	0.	8.35	200.0	76.1	0.98	2.66	0.0	0.00	0.00
dougfr	0.	5.23	100.0	14.9	0.16	0.17	0.0	0.00	0.00
totals	0.	7.46	300.0	91.0	1.14	2.83	0.0	0.00	0.00
redwos	5.	10.00	194.7	100.3	1.61	5.16	30.1	0.63	2.52
dougfr	5.	7.01	93.9	25.2	0.42	0.84	10.3	0.25	0.68
totals	5.	9.14	288.6	131.5	2.03	6.02	40.4	0.88	3.20
redwos	10.	11.37	191.1	134.7	2.34	8.25	28.4	0.73	3.07
dougfr	10.	8.57	89.3	35.8	0.76	2.13	10.6	0.34	1.29
totals	10.	10.56	280.4	170.4	3.10	10.38	39.0	1.08	4.36
redwos	15.	12.53	188.3	161.3	3.14	12.10	28.6	0.80	3.85
dougfr	15.	9.92	85.8	45.9	1.16	4.09	10.1	0.40	1.95
totals	15.	11.78	274.0	207.2	4.30	16.19	38.7	1.19	5.81
redwos	20.	13.54	188.2	188.2	3.99	16.39	24.9	0.85	4.28
dougfr	20.	11.10	82.5	55.5	1.61	6.35	9.6	0.45	2.28
totals	20.	12.84	268.7	241.7	5.59	22.74	34.5	1.30	6.55
redwos	25.	14.44	184.4	209.8	4.88	21.38	23.4	0.90	4.99
dougfr	25.	12.18	79.9	64.5	2.10	8.99	9.0	0.49	2.64
totals	25.	13.79	264.3	274.1	6.98	30.37	32.5	1.39	7.63
redwos	30.	15.24	182.9	231.8	5.81	26.59	22.2	0.93	5.21
dougfr	30.	13.13	77.8	73.0	2.62	12.11	8.5	0.52	3.12
totals	30.	14.85	260.5	304.8	8.43	38.70	30.7	1.45	8.33
redwos	35.	15.98	181.8	252.8	6.78	32.18	21.0	0.95	5.59
dougfr	35.	14.02	75.6	81.1	3.15	15.49	8.1	0.54	3.38
totals	35.	15.43	257.3	333.9	9.91	47.67	29.1	1.49	8.97
redwos	40.	16.65	180.5	272.8	7.73	38.23	20.0	0.97	6.05
dougfr	40.	14.85	73.8	88.9	3.71	19.09	7.7	0.55	3.60
totals	40.	16.15	254.4	361.7	11.44	57.32	27.8	1.52	9.65
redwos	45.	17.27	179.5	292.0	8.72	44.49	19.1	0.98	6.20
dougfr	45.	15.63	72.2	96.3	4.27	22.93	7.4	0.56	3.84
totals	45.	16.81	251.8	388.2	12.99	67.42	26.5	1.55	10.10
redwos	50.	17.84	178.7	310.2	9.71	50.93	18.3	0.99	6.45
dougfr	50.	16.37	70.8	103.4	4.85	27.16	7.2	0.57	4.23
totals	50.	17.44	249.4	413.7	14.55	78.09	25.4	1.56	10.68
redwos	55.	18.38	177.9	327.7	10.69	57.54	17.5	0.99	6.83
dougfr	55.	17.08	69.4	110.4	5.42	31.46	6.9	0.58	4.30
totals	55.	18.02	247.3	438.1	16.12	89.00	24.4	1.57	10.91
redwos	60.	18.88	177.2	344.4	11.68	64.27	16.7	0.98	6.72
dougfr	60.	17.75	68.2	117.1	6.00	35.85	6.8	0.58	4.39
totals	60.	18.57	245.4	461.6	17.68	100.12	23.5	1.56	11.11
redwos	65.	19.35	176.6	360.4	12.65	71.04	16.0	0.97	6.78
dougfr	65.	18.39	67.1	123.7	6.58	40.36	6.6	0.58	4.51
totals	65.	19.09	243.8	484.2	19.23	111.40	22.6	1.55	11.28
redwos	70.	19.78	176.0	375.7	13.60	77.82	15.3	0.95	6.77
dougfr	70.	19.02	66.0	130.2	7.16	44.96	6.5	0.58	4.60
totals	70.	19.58	242.0	505.9	20.76	122.78	21.7	1.53	11.37
redwos	75.	20.19	175.5	390.3	14.53	84.53	14.8	0.93	6.73
dougfr	75.	19.02	65.0	136.5	7.73	49.64	6.3	0.57	4.66
totals	75.	20.04	240.5	526.8	22.27	134.17	20.9	1.51	11.39
redwos	80.	20.58	175.0	404.2	15.44	91.13	13.9	0.90	6.80
dougfr	80.	20.21	64.1	142.8	8.30	54.51	6.3	0.57	4.87
totals	80.	20.48	239.1	547.0	23.74	145.64	20.1	1.47	11.47

YIELD SUMMARY

stand label = Table No. 12

redwood site 110. init. age 20.
doug fir site 131. init. age 17.

species	ec	dbar	tpa	basar	ctvol	btvol	bagro	cvgro	bvgro
redwos	0.	8.13	300.0	108.0	1.40	3.70	0.0	0.00	0.00
totals	0.	8.13	300.0	108.0	1.40	3.70	0.0	0.00	0.00
redwos	5.	9.66	291.9	148.5	2.25	7.10	40.5	0.80	3.40
totals	5.	9.66	291.9	148.5	2.25	7.10	40.5	0.80	3.40
redwos	10.	10.97	280.1	187.9	3.29	11.50	39.5	1.03	4.34
totals	10.	10.97	280.1	187.9	3.29	11.50	39.5	1.03	4.34
redwos	15.	12.13	281.7	225.9	4.42	16.72	38.0	1.14	5.22
totals	15.	12.13	281.7	225.9	4.42	16.72	38.0	1.14	5.22
redwos	20.	13.15	278.2	262.3	5.65	23.09	36.4	1.23	6.37
totals	20.	13.15	278.2	262.3	5.65	23.09	36.4	1.23	6.37
redwos	25.	14.06	275.4	297.1	6.96	30.14	34.8	1.31	7.06
totals	25.	14.06	275.4	297.1	6.96	30.14	34.8	1.31	7.06
redwos	30.	14.89	273.0	330.3	8.34	36.06	33.2	1.38	7.88
totals	30.	14.89	273.0	330.3	8.34	36.06	33.2	1.38	7.88
HARVESTS : 8/507.3									
redwos	30.	-3.42	154.9	114.2	2.43	9.27			
totals	30.	-3.42	154.9	114.2	2.43	9.27			
STAND AFTER HARVEST									
redwos	30.	16.31	118.1	216.1	5.91	26.74	33.2	1.38	7.88
totals	30.	16.31	118.1	216.1	5.91	26.74	33.2	1.38	7.88
redwos	35.	19.29	117.7	239.0	6.97	35.33	23.0	1.00	8.59
totals	35.	19.29	117.7	239.0	6.97	35.33	23.0	1.00	8.59
redwos	40.	20.20	117.4	261.3	8.07	42.40	22.3	1.10	9.13
totals	40.	20.20	117.4	261.3	8.07	42.40	22.3	1.10	9.13
redwos	45.	21.04	117.2	282.8	9.19	50.01	21.5	1.13	9.50
totals	45.	21.04	117.2	282.8	9.19	50.01	21.5	1.13	9.50
redwos	50.	21.82	116.9	303.7	10.34	57.93	20.8	1.14	9.92
totals	50.	21.82	116.9	303.7	10.34	57.93	20.8	1.14	9.92
redwos	55.	22.55	116.7	323.8	11.49	66.16	20.1	1.16	10.23
totals	55.	22.55	116.7	323.8	11.49	66.16	20.1	1.16	10.23
redwos	60.	23.24	116.6	343.3	12.66	74.64	19.5	1.16	10.48
totals	60.	23.24	116.6	343.3	12.66	74.64	19.5	1.16	10.48
redwos	65.	23.80	116.4	362.2	13.82	83.31	18.9	1.16	10.67
totals	65.	23.80	116.4	362.2	13.82	83.31	18.9	1.16	10.67
redwos	70.	24.49	116.3	380.5	14.97	92.13	18.3	1.16	10.82
totals	70.	24.49	116.3	380.5	14.97	92.13	18.3	1.16	10.82

YIELD SUMMARY

Stand label = Table No. 15

Redwood site 110. init. age 20.
Doug fir site 131. init. age 17.

species	et	dbar	tpa	basar	civol	tavol	bagro	cvgro	tagro
redwos	0.	0.13	300.0	108.0	1.40	3.76	0.0	0.00	0.00
totals	0.	0.13	300.0	108.0	1.40	3.76	0.0	0.00	0.00
redwos	5.	9.00	291.9	148.5	2.25	7.10	40.5	0.80	3.40
totals	5.	9.00	291.9	148.5	2.25	7.10	40.5	0.80	3.40
redwos	10.	10.97	280.1	187.9	3.29	11.50	39.5	1.03	4.34
totals	10.	10.97	280.1	187.9	3.29	11.50	39.5	1.03	4.34
redwos	15.	12.13	281.7	225.9	4.42	16.72	38.0	1.14	5.22
totals	15.	12.13	281.7	225.9	4.42	16.72	38.0	1.14	5.22
redwos	20.	13.15	278.2	262.3	5.65	23.09	36.4	1.23	6.37
totals	20.	13.15	278.2	262.3	5.65	23.09	36.4	1.23	6.37
redwos	25.	14.06	275.4	297.1	6.96	30.14	34.8	1.31	7.06
totals	25.	14.06	275.4	297.1	6.96	30.14	34.8	1.31	7.06
redwos	30.	14.89	273.0	330.3	8.34	36.00	33.2	1.38	7.80
totals	30.	14.89	273.0	330.3	8.34	36.00	33.2	1.38	7.80
HARVESTS : A/50/.30									
redwos	30.	1.07	52.7	126.5	3.63	18.42			
totals	30.	1.07	52.7	126.5	3.63	18.42			
STAND AFTER HARVEST									
redwos	30.	13.02	220.3	203.7	4.71	19.59	33.2	1.38	7.80
totals	30.	13.02	220.3	203.7	4.71	19.59	33.2	1.38	7.80
redwos	35.	13.90	218.3	230.0	5.72	24.94	28.2	1.03	5.30
totals	35.	13.90	218.3	230.0	5.72	24.94	28.2	1.03	5.30
redwos	40.	14.70	216.8	255.4	6.77	31.04	25.4	1.08	6.10
totals	40.	14.70	216.8	255.4	6.77	31.04	25.4	1.08	6.10
redwos	45.	15.44	215.2	279.8	7.88	37.45	24.5	1.09	6.47
totals	45.	15.44	215.2	279.8	7.88	37.45	24.5	1.09	6.47
redwos	50.	16.13	213.9	303.5	8.99	44.35	23.8	1.12	6.91
totals	50.	16.13	213.9	303.5	8.99	44.35	23.8	1.12	6.91
redwos	55.	16.76	212.9	326.3	10.13	51.54	22.8	1.14	7.19
totals	55.	16.76	212.9	326.3	10.13	51.54	22.8	1.14	7.19
redwos	60.	17.36	211.9	348.3	11.28	59.04	22.0	1.16	7.49
totals	60.	17.36	211.9	348.3	11.28	59.04	22.0	1.16	7.49
redwos	65.	17.92	211.0	369.6	12.45	66.77	21.3	1.18	7.73
totals	65.	17.92	211.0	369.6	12.45	66.77	21.3	1.18	7.73
redwos	70.	18.44	210.3	390.1	13.61	74.68	20.5	1.18	7.91
totals	70.	18.44	210.3	390.1	13.61	74.68	20.5	1.18	7.91

YIELD SUMMARY

stand label = Table No. 14

redwood site 107. init. age 31.
doug fir site 130. init. age 20.

species	et	dbar	tpa	basar	civol	bovol	bagro	cvgro	bagro
dougfr	0.	7.00	300.0	90.0	1.82	4.39	0.0	0.00	0.00
totals	0.	7.00	300.0	90.0	1.82	4.39	0.0	0.00	0.00
dougfr	5.	9.12	288.3	130.0	3.01	9.55	33.9	1.19	5.10
totals	5.	9.12	288.3	130.0	3.01	9.55	33.9	1.19	5.10
dougfr	10.	10.30	275.1	181.0	4.30	15.70	31.0	1.35	6.21
totals	10.	10.30	275.1	181.0	4.30	15.70	31.0	1.35	6.21
dougfr	15.	11.41	265.6	188.7	5.78	23.55	27.7	1.42	7.79
totals	15.	11.41	265.6	188.7	5.78	23.55	27.7	1.42	7.79
dougfr	20.	12.33	257.4	213.6	7.25	31.90	24.9	1.47	8.41
totals	20.	12.33	257.4	213.6	7.25	31.90	24.9	1.47	8.41
dougfr	25.	13.10	250.2	236.3	8.77	41.19	22.7	1.52	9.23
totals	25.	13.10	250.2	236.3	8.77	41.19	22.7	1.52	9.23
dougfr	30.	13.91	243.7	257.3	10.29	50.88	21.0	1.52	9.47
totals	30.	13.91	243.7	257.3	10.29	50.88	21.0	1.52	9.47
HARVESTS : 8/50/.3									
dougfr	30.	-2.90	127.1	70.2	2.80	11.40			
totals	30.	-2.90	127.1	70.2	2.80	11.40			
STAND AFTER HARVEST									
dougfr	30.	10.87	116.6	181.0	7.49	39.28	21.0	1.52	9.47
totals	30.	10.87	116.6	181.0	7.49	39.28	21.0	1.52	9.47
dougfr	35.	11.92	114.7	201.0	8.85	48.54	20.0	1.50	9.28
totals	35.	11.92	114.7	201.0	8.85	48.54	20.0	1.50	9.28
dougfr	40.	12.93	113.1	220.9	10.27	58.81	19.9	1.42	10.00
totals	40.	12.93	113.1	220.9	10.27	58.81	19.9	1.42	10.00
dougfr	45.	13.88	111.7	240.3	11.71	69.21	19.4	1.44	10.88
totals	45.	13.88	111.7	240.3	11.71	69.21	19.4	1.44	10.88
dougfr	50.	20.74	110.4	259.0	13.17	80.22	18.7	1.45	11.02
totals	50.	20.74	110.4	259.0	13.17	80.22	18.7	1.45	11.02
dougfr	55.	21.58	109.2	277.0	14.62	91.55	18.0	1.45	11.33
totals	55.	21.58	109.2	277.0	14.62	91.55	18.0	1.45	11.33
dougfr	60.	22.33	108.2	294.4	16.08	103.08	17.4	1.44	11.52
totals	60.	22.33	108.2	294.4	16.08	103.08	17.4	1.44	11.52
dougfr	65.	23.00	107.3	311.2	17.49	114.74	16.8	1.43	11.68
totals	65.	23.00	107.3	311.2	17.49	114.74	16.8	1.43	11.68
dougfr	70.	23.75	106.4	327.4	18.89	126.47	16.2	1.41	11.73
totals	70.	23.75	106.4	327.4	18.89	126.47	16.2	1.41	11.73

YIELD SUMMARY

stand label = Table No. 15

redwood site 107. init. age 31.
doug fir site 130. init. age 20.

species	et	dbar	tpa	basar	civol	bavol	bagro	cvgro	bagro
dougfir	0.	7.00	300.0	90.0	1.82	4.39	0.0	0.00	0.00
totals	0.	7.00	300.0	90.0	1.82	4.39	0.0	0.00	0.00
dougfir	5.	9.12	266.3	130.0	3.01	9.55	33.9	1.19	5.10
totals	5.	9.12	266.3	130.0	3.01	9.55	33.9	1.19	5.10
dougfir	10.	10.36	275.1	101.0	4.36	15.70	31.0	1.35	0.21
totals	10.	10.36	275.1	101.0	4.36	15.70	31.0	1.35	0.21
dougfir	15.	11.41	265.0	168.7	5.76	23.55	27.7	1.42	7.79
totals	15.	11.41	265.0	168.7	5.76	23.55	27.7	1.42	7.79
dougfir	20.	12.33	257.4	213.0	7.25	31.96	24.9	1.47	8.41
totals	20.	12.33	257.4	213.0	7.25	31.96	24.9	1.47	8.41
dougfir	25.	13.16	250.2	250.3	8.77	41.19	22.7	1.52	9.23
totals	25.	13.16	250.2	250.3	8.77	41.19	22.7	1.52	9.23
dougfir	30.	13.91	243.7	287.3	10.29	50.66	21.0	1.52	9.47
totals	30.	13.91	243.7	287.3	10.29	50.66	21.0	1.52	9.47
HARVESTS : A/507.3									
dougfir	30.	1.31	33.7	75.3	3.20	17.76			
totals	30.	1.31	33.7	75.3	3.20	17.76			
STAND AFTER HARVEST									
dougfir	30.	12.61	210.0	162.0	7.09	32.90	21.0	1.52	9.47
totals	30.	12.61	210.0	162.0	7.09	32.90	21.0	1.52	9.47
dougfir	35.	13.42	204.4	200.7	8.38	41.15	18.8	1.29	8.25
totals	35.	13.42	204.4	200.7	8.38	41.15	18.8	1.29	8.25
dougfir	40.	14.17	199.4	216.5	9.00	49.94	17.0	1.30	8.79
totals	40.	14.17	199.4	216.5	9.00	49.94	17.0	1.30	8.79
dougfir	45.	14.88	195.0	235.4	10.98	58.76	16.0	1.31	9.04
totals	45.	14.88	195.0	235.4	10.98	58.76	16.0	1.31	9.04
dougfir	50.	15.54	190.9	251.3	12.29	68.13	16.0	1.30	9.34
totals	50.	15.54	190.9	251.3	12.29	68.13	16.0	1.30	9.34
dougfir	55.	16.16	187.2	266.5	13.58	77.67	15.2	1.29	9.54
totals	55.	16.16	187.2	266.5	13.58	77.67	15.2	1.29	9.54
dougfir	60.	16.74	183.8	281.0	14.86	87.21	14.5	1.28	9.55
totals	60.	16.74	183.8	281.0	14.86	87.21	14.5	1.28	9.55
dougfir	65.	17.30	180.6	294.8	16.11	97.15	13.8	1.26	9.94
totals	65.	17.30	180.6	294.8	16.11	97.15	13.8	1.26	9.94
dougfir	70.	17.83	177.7	308.0	17.34	106.83	13.2	1.23	9.67
totals	70.	17.83	177.7	308.0	17.34	106.83	13.2	1.23	9.67

YIELD SUMMARY

stand label = table No. 16

redwood site 110. init. age 10.
doug fir site 131. init. age 8.

species	et	dbar	tpa	basar	civol	tavol	tagro	cvgro	tagro
redwos	0.	4.04	600.0	53.3	0.28	0.31	0.0	0.00	0.00
totals	0.	4.04	600.0	53.3	0.28	0.31	0.0	0.00	0.00
redwos	5.	6.04	563.8	112.1	0.97	1.83	58.7	0.69	1.52
totals	5.	6.04	563.8	112.1	0.97	1.83	58.7	0.69	1.52
redwos	10.	7.57	540.0	168.6	1.97	5.02	56.5	1.00	3.19
totals	10.	7.57	540.0	168.6	1.97	5.02	56.5	1.00	3.19
redwos	15.	8.83	521.6	221.9	3.14	9.53	53.3	1.17	4.51
totals	15.	8.83	521.6	221.9	3.14	9.53	53.3	1.17	4.51
redwos	20.	9.92	506.4	271.6	4.46	15.53	49.7	1.32	6.03
totals	20.	9.92	506.4	271.6	4.46	15.53	49.7	1.32	6.03
redwos	25.	10.87	493.4	317.9	5.97	22.28	46.3	1.51	6.75
totals	25.	10.87	493.4	317.9	5.97	22.28	46.3	1.51	6.75
redwos	30.	11.72	482.2	361.2	7.51	29.91	43.3	1.55	7.62
totals	30.	11.72	482.2	361.2	7.51	29.91	43.3	1.55	7.62
redwos	35.	12.49	472.2	401.8	9.13	39.35	40.8	1.61	9.44
totals	35.	12.49	472.2	401.8	9.13	39.35	40.8	1.61	9.44
redwos	40.	13.20	463.4	440.2	10.79	48.78	38.3	1.66	9.47
totals	40.	13.20	463.4	440.2	10.79	48.78	38.3	1.66	9.47
redwos	45.	13.85	455.5	476.4	12.49	58.91	36.3	1.70	10.15
totals	45.	13.85	455.5	476.4	12.49	58.91	36.3	1.70	10.15
redwos	50.	14.45	448.3	510.9	14.22	69.48	34.5	1.73	10.58
totals	50.	14.45	448.3	510.9	14.22	69.48	34.5	1.73	10.58
redwos	55.	15.02	441.9	543.8	15.98	80.51	32.9	1.74	11.03
totals	55.	15.02	441.9	543.8	15.98	80.51	32.9	1.74	11.03
redwos	60.	15.55	436.0	575.2	17.71	91.90	31.5	1.75	11.39
totals	60.	15.55	436.0	575.2	17.71	91.90	31.5	1.75	11.39
redwos	65.	16.06	430.6	605.4	19.47	103.50	30.1	1.75	11.66
totals	65.	16.06	430.6	605.4	19.47	103.50	30.1	1.75	11.66
redwos	70.	16.53	425.7	634.3	21.21	115.41	28.9	1.74	11.85
totals	70.	16.53	425.7	634.3	21.21	115.41	28.9	1.74	11.85
redwos	75.	16.98	421.2	662.1	22.94	127.97	27.8	1.73	12.55
totals	75.	16.98	421.2	662.1	22.94	127.97	27.8	1.73	12.55
redwos	80.	17.40	417.1	688.8	24.64	140.64	26.7	1.70	12.07
totals	80.	17.40	417.1	688.8	24.64	140.64	26.7	1.70	12.07

YIELD SUMMARY

Stand label = Table No. 17

redwood site 110 init. age 10.
doug fir site 131. init. age 8.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
redwos	0.	4.04	600.0	53.3	0.26	0.31	0.0	0.00	0.00
totals	0.	4.04	600.0	53.3	0.26	0.31	0.0	0.00	0.00
HARVESTS : 8/10/.3									
redwos	0.	-2.49	442.9	16.8	0.02	0.00			
totals	0.	-2.49	442.9	16.8	0.02	0.00			
STAND AFTER HARVEST									
redwos	0.	6.53	157.1	36.5	0.26	0.31	0.0	0.00	0.00
totals	0.	6.53	157.1	36.5	0.26	0.31	0.0	0.00	0.00
redwos	5.	9.15	157.1	71.7	0.75	1.81	35.2	0.49	1.50
totals	5.	9.15	157.1	71.7	0.75	1.81	35.2	0.49	1.50
redwos	10.	11.34	157.1	110.1	1.43	4.29	36.5	0.66	2.48
totals	10.	11.34	157.1	110.1	1.43	4.29	36.5	0.66	2.48
redwos	15.	13.13	157.1	147.8	2.26	6.01	37.6	0.85	3.72
totals	15.	13.13	157.1	147.8	2.26	6.01	37.6	0.85	3.72
HARVESTS : 8/25/.3									
redwos	15.	-1.54	55.9	29.6	0.37	1.06			
totals	15.	-1.54	55.9	29.6	0.37	1.06			
STAND AFTER HARVEST									
redwos	15.	14.67	101.2	118.8	1.91	6.95	37.6	0.85	3.72
totals	15.	14.67	101.2	118.8	1.91	6.95	37.6	0.85	3.72
redwos	20.	16.46	100.7	147.7	2.73	10.85	28.9	0.82	3.94
totals	20.	16.46	100.7	147.7	2.73	10.85	28.9	0.82	3.94
redwos	25.	17.91	100.4	175.7	3.65	15.70	28.0	0.92	4.81
totals	25	17.91	100.4	175.7	3.65	15.70	28.0	0.92	4.81
redwos	30.	19.27	100.2	202.8	4.66	21.31	27.1	1.00	5.62
totals	30.	19.27	100.2	202.8	4.66	21.31	27.1	1.00	5.62
redwos	35.	20.49	100.0	229.0	5.73	27.07	26.1	1.07	6.35
totals	35.	20.49	100.0	229.0	5.73	27.07	26.1	1.07	6.35
redwos	40.	21.61	99.8	254.2	6.85	34.09	25.2	1.12	7.02
totals	40	21.61	99.8	254.2	6.85	34.09	25.2	1.12	7.02
HARVESTS : 8/50/.3									
redwos	40.	0.00	28.0	71.2	1.92	9.71			
totals	40.	0.00	28.0	71.2	1.92	9.71			
STAND AFTER HARVEST									
redwos	40.	21.61	71.9	183.0	4.93	24.98	25.2	1.12	7.02
totals	40.	21.61	71.9	183.0	4.93	24.98	25.2	1.12	7.02
redwos	45.	22.73	71.8	202.4	5.63	30.70	19.4	0.89	5.80
totals	45.	22.73	71.8	202.4	5.63	30.70	19.4	0.89	5.80
redwos	50.	23.84	71.7	222.4	6.79	37.29	20.1	0.90	6.51
totals	50.	23.84	71.7	222.4	6.79	37.29	20.1	0.90	6.51
redwos	55.	24.90	71.7	242.4	7.80	44.35	20.0	1.01	7.07
totals	55.	24.90	71.7	242.4	7.80	44.35	20.0	1.01	7.07
redwos	60.	25.89	71.6	262.0	8.84	51.85	19.5	1.04	7.50
totals	60.	25.89	71.6	262.0	8.84	51.85	19.5	1.04	7.50
redwos	65.	26.83	71.6	281.1	9.90	59.76	19.1	1.06	7.90
totals	65.	26.83	71.6	281.1	9.90	59.76	19.1	1.06	7.90

YIELD SUMMARY

stand label = Table No. 18

redwood site 107. init. age 25.
doug fir site 130. init. age 10.

species	et	dbar	tpa	basar	cfvol	bdvol	bagro	cvgro	bdgro
dougfir	0.	2.59	800.0	29.3	0.00	0.00	0.0	0.00	0.00
totals	0.	2.59	800.0	29.3	0.00	0.00	0.0	0.00	0.00
dougfir	5.	4.84	740.8	95.7	1.04	0.00	66.4	1.04	0.00
totals	5.	4.84	740.8	95.7	1.04	0.00	66.4	1.04	0.00
dougfir	10.	6.07	710.5	143.0	2.40	3.63	47.3	1.36	3.57
totals	10.	6.07	710.5	143.0	2.40	3.63	47.3	1.36	3.57
dougfir	15.	6.92	677.6	176.9	3.70	8.68	33.9	1.30	5.04
totals	15.	6.92	677.6	176.9	3.70	8.68	33.9	1.30	5.04
dougfir	20.	7.58	648.2	203.3	5.14	15.23	26.5	1.45	6.56
totals	20.	7.58	648.2	203.3	5.14	15.23	26.5	1.45	6.56
dougfir	25.	8.16	621.2	225.8	6.53	22.90	22.4	1.39	7.72
totals	25.	8.16	621.2	225.8	6.53	22.90	22.4	1.39	7.72
dougfir	30.	8.69	596.2	245.7	7.92	30.37	20.0	1.38	7.42
totals	30.	8.69	596.2	245.7	7.92	30.37	20.0	1.38	7.42
dougfir	35.	9.19	573.1	264.1	9.32	38.13	18.4	1.41	7.78
totals	35.	9.19	573.1	264.1	9.32	38.13	18.4	1.41	7.78
dougfir	40.	9.67	551.8	281.4	10.80	48.40	17.3	1.48	10.27
totals	40.	9.67	551.8	281.4	10.80	48.40	17.3	1.48	10.27
dougfir	45.	10.14	531.5	297.8	12.33	57.78	16.4	1.54	9.38
totals	45.	10.14	531.5	297.8	12.33	57.78	16.4	1.54	9.38
dougfir	50.	10.58	512.9	313.4	13.83	67.22	15.0	1.50	9.44
totals	50.	10.58	512.9	313.4	13.83	67.22	15.0	1.50	9.44
dougfir	55.	11.02	495.4	328.3	15.30	76.94	14.9	1.47	9.72
totals	55.	11.02	495.4	328.3	15.30	76.94	14.9	1.47	9.72
dougfir	60.	11.45	479.2	342.5	16.75	86.82	14.2	1.45	9.88
totals	60.	11.45	479.2	342.5	16.75	86.82	14.2	1.45	9.80
dougfir	65.	11.86	464.0	356.2	18.27	96.96	13.8	1.53	12.14
totals	65.	11.86	464.0	356.2	18.27	96.96	13.8	1.53	12.14
dougfir	70.	12.27	449.9	369.2	19.88	109.58	13.0	1.41	10.62
totals	70.	12.27	449.9	369.2	19.88	109.58	13.0	1.41	10.62
dougfir	75.	12.66	436.8	381.7	21.68	119.79	12.5	1.38	10.21
totals	75.	12.66	436.8	381.7	21.68	119.79	12.5	1.38	10.21
dougfir	80.	13.04	424.2	393.5	22.42	129.88	11.9	1.38	10.07
totals	80.	13.04	424.2	393.5	22.42	129.88	11.9	1.38	10.07

YIELD SUMMARY

stand label = Table No. 15

redwood site 107. init. age 23.
doug fir site 130. init. age 10.

species	et	dbar	tpa	basar	ctvol	bdvol	bagro	cvgro	bdgro
dougfir	0.	2.59	800.0	29.3	0.00	0.00	0.0	0.00	0.00
totals	0.	2.59	800.0	29.3	0.00	0.00	0.0	0.00	0.00
HARVESTS : 1/107.3									
dougfir	0.	-0.41	402.8	9.7	0.00	0.00			
totals	0.	-0.41	402.8	9.7	0.00	0.00			
STAND AFTER HARVEST									
dougfir	0.	3.00	397.2	19.5	0.00	0.00	0.0	0.00	0.00
totals	0.	3.00	397.2	19.5	0.00	0.00	0.0	0.00	0.00
dougfir	5.	5.87	397.2	74.6	0.98	0.27	55.0	0.98	0.27
totals	5.	5.87	397.2	74.6	0.98	0.27	55.0	0.98	0.27
dougfir	10.	7.80	377.3	125.2	2.27	5.14	50.6	1.29	4.87
totals	10.	7.80	377.3	125.2	2.27	5.14	50.6	1.29	4.87
dougfir	15.	9.14	361.8	164.9	3.69	11.34	39.8	1.42	6.20
totals	15.	9.14	361.8	164.9	3.69	11.34	39.8	1.42	6.20
HARVESTS : 1/257.3									
dougfir	15.	-1.56	183.3	53.5	1.04	2.07			
totals	15.	-1.56	183.3	53.5	1.04	2.07			
STAND AFTER HARVEST									
dougfir	15.	10.70	178.5	111.4	2.64	9.27	39.8	1.42	6.20
totals	15.	10.70	178.5	111.4	2.64	9.27	39.8	1.42	6.20
dougfir	20.	12.34	176.5	148.2	4.08	16.30	36.8	1.44	7.04
totals	20.	12.34	176.5	148.2	4.08	16.30	36.8	1.44	7.04
dougfir	25.	13.70	174.0	176.1	5.55	24.25	29.9	1.47	7.95
totals	25.	13.70	174.0	176.1	5.55	24.25	29.9	1.47	7.95
dougfir	30.	14.87	170.3	205.4	7.09	33.26	27.2	1.55	9.07
totals	30.	14.87	170.3	205.4	7.09	33.26	27.2	1.55	9.07
dougfir	35.	15.96	167.0	230.4	8.09	43.19	25.1	1.59	9.93
totals	35.	15.96	167.0	230.4	8.09	43.19	25.1	1.59	9.93
dougfir	40.	16.83	164.2	253.7	10.31	53.85	23.3	1.62	10.66
totals	40.	16.83	164.2	253.7	10.31	53.85	23.3	1.62	10.66
HARVESTS : 0/507.3									
dougfir	40.	-0.00	47.0	73.8	2.99	15.62			
totals	40.	-0.00	47.0	73.8	2.99	15.62			
STAND AFTER HARVEST									
dougfir	40.	16.83	116.8	180.1	7.32	38.23	23.3	1.62	10.66
totals	40.	16.83	116.8	180.1	7.32	38.23	23.3	1.62	10.66
dougfir	45.	17.88	116.8	203.3	8.81	48.18	23.2	1.49	9.95
totals	45.	17.88	116.8	203.3	8.81	48.18	23.2	1.49	9.95
dougfir	50.	18.88	115.0	223.7	10.28	58.38	20.4	1.44	10.20
totals	50.	18.88	115.0	223.7	10.28	58.38	20.4	1.44	10.20
dougfir	55.	19.82	113.6	243.4	11.73	69.13	19.7	1.47	10.75
totals	55.	19.82	113.6	243.4	11.73	69.13	19.7	1.47	10.75
dougfir	60.	20.69	112.4	262.3	13.20	80.29	18.9	1.48	11.10
totals	60.	20.69	112.4	262.3	13.20	80.29	18.9	1.48	11.10
dougfir	65.	21.50	111.2	280.5	14.67	91.74	18.2	1.47	11.45
totals	65.	21.50	111.2	280.5	14.67	91.74	18.2	1.47	11.45