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FIFTY-YEAR RECONSTRUCTION OF VIRGIN STAND DEVELOPMENT IN SOUTHWESTERN PINEBELT PINE

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USDA Forest Service
General Technical Report RM-123
Rocky Mountain Forest and
Range Experiment Station
Forest Service
U.S. Department of Agriculture
Fort Collins, Colorado 80521

Abstract

Avery, Charles C., Frederic R. Larson, and Gilbert H. Schubert.

1976. Fifty-year records of virgin stand development in southwestern ponderosa pine. USDA For. Serv. Gen. Tech. Rep. RM-22,71 p. Rocky Mt. For. and Range Exp. Stn., Fort Collins, Colo. 80521

Ten periodic inventories of an unburned virgin tract of southwestern ponderosa pine near Flagstaff, Arizona, have yielded growth and mortality data on more than 3,000 trees. Fifty years of change on this 40-acre tract are documented, principally in nonmetric units, by (1) individual tree records, (2) 2.5-acre (1.01-ha) subplot summaries of basal area and tree census (tree count) data, and (3) composite stand tables which display volumes (cubic feet and board feet), census data, mortality data and causes, net periodic basal area, volume, and diameter growth. This information should be useful in modeling stand development and also as a data source for research and teaching.

Keywords: *Pinus ponderosa*, stand structure, natural areas.

Fifty-Year Records of Virgin Stand Development in Southwestern Ponderosa Pine¹

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¹Contribution No. 101 to the Coniferous Forest Biome, U.S. International Biological Program.

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257 Fifty-Year Records of Virgin Stand Development in Southwestern Ponderosa Pine 01.2.30"

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Introduction

In 1908, the USDA Forest Service began its first research activities in the Southwest by assigning G. A. Pearson to study the silviculture of ponderosa pine (*Pinus ponderosa*) and to devise appropriate management guidelines for this forest type. After the establishment of the Fort Valley Experimental Forest in northern Arizona, Pearson soon selected a 240-acre (97.12-ha) uncut and unburned tract of mature pine to serve as the principal control unit, or standard of comparison, for his experiments. These virgin stands have remained in relatively good vigor—they are largely uninfected by dwarf mistletoe or other pathogens—and are the source of the data presented here (fig. 1). There is no record of any forest fire in the immediate vicinity of the tract.

Figure 1.—Mature stand of ponderosa pine on the Fort Valley Experimental Forest as it appeared in June of 1937.

Because sampling theory was not well developed by 1920, all trees greater than 3.6 inches (9.14 cm) diameter breast height (d.b.h.) were tagged and measured in the initial inventory of 154 acres (62.32 ha) of this virgin tract. Later, a 76-acre portion of this tract was designated a part of the G. A. Pearson Natural Area, and it is from this unit that records of 10 subplots (with a total area of 39.55 acres) have been chosen for final tabulation. These 10 inventories of a virgin tract of ponderosa pine, documenting its development over 50 years, provide a wealth of information concerning the performance of an unmanaged ponderosa pine forest.

These long-term data quantitatively describing the G. A. Pearson Natural Area can, hopefully, serve as a standard of comparison for other managed, utilized, and artificial ecosystems (Ohmann 1973). Furthermore, this 50-year record provides a valid basis for describing the natural stand development of an important North American forest type. The scarcity of this kind of information in American forestry literature, and its necessity for the validation of both ecological and management models, should also make these data useful to a wide variety of investigators.

Since these records have not been statistically analyzed, their significance is not interpreted here.

Description of the Site

The G. A. Pearson Natural Area is located 9 miles (14.5 km) northwest of Flagstaff, Arizona, along U.S. Highway 180 (longitude 111°45' west, latitude 35°16' north). The elevation is 7,400 feet (2,255 m) and the topography is level to very gently rolling. A short distance to the east, the foothills of the San Francisco Peaks break this relief dramatically.

The local climate is strongly influenced by topography. Moreover, scattered thundershower activity in the summer makes point precipitation highly variable, and annual fluctuations of all factors make between-year comparisons difficult. Generally, the cold temperate Mediterranean climate is modified toward a dry regime, with a late spring (May, June) drought being normal. Over

the 60-year period from 1909 to 1968, the weather station at Fort Valley indicated the average annual precipitation to be 22.6 inches (574 mm), the highest summer temperature to be 97°F (36.1°C) and the lowest winter temperature to be -37°F (-38.3°C) (Schubert 1974). The average growing season is only 94 days.

Late Tertiary lava flows are responsible for the characteristics of the soils on the research area. These Broliar series soils consist of montmorillonite clay-loams which have a high moisture-holding capacity, insuring a source of moisture available to ponderosa pine even during extensive droughts. Although there are some small rock outcrops on the study area, generally the tract has the potential of being fully occupied by trees.

The Natural Area is representative of the southwestern ponderosa pine type. The type exists mainly as a climax forest in pure irregular uneven-aged stands consisting of small even-aged groups varying in size from a few trees to several acres (Schubert 1973). The forest has an abundance of large overmature yellow pines and small blackjacks with a deficiency of trees in the intermediate size classes. ("Blackjack" is the local name given to a relatively young ponderosa pine—generally no older than 150 years—which has dark bark with narrow, rough ridges. It is distinctly different

in appearance from a "yellow pine" which has a reddish-brown to yellow bark with wide, smooth plates.) Dense stands of young blackjacks, which were established in 1919, are just now beginning to enter the minimum size class (fig. 2).

Ponderosa pine, a light-demanding species, does not regenerate under low light intensity and cannot tolerate heavy root competition. Where stands are dense, with a basal area stocking greater than 180 ft² per acre (41 m² per ha), lower vegetation is usually absent (Schubert 1974). Arizona fescue (*Festuca arizonica*) and mountain muhly (*Muhlenbergia montana*) are the major understory species in openings and in stands of low stocking.

The site index of the area is 80 to 85 (height in feet at 100 years of age) (Minor 1964).

Field Inventory Methods

From its beginning, the silvicultural research at Fort Valley had a strong management orientation. Various systems for describing "vigor" were devised, and when inventoried each tree's "condition" was tallied along with its diameter (d.b.h.). Inventories were made every 5 years from 1920 through 1960. The last inventory was made in 1970. At the time of initial inventory in 1920,

Figure 2.—While some overmature trees in this virgin ponderosa pine stand are dead or dying, their place is being filled by young saplings and poles.

every stem larger than the minimum acceptable size (3.6 inches (9.14 cm) d.b.h.) was therefore not only numbered, tagged, and measured, but its condition was also described. In the 1940-60 inventories the minimum size was raised to 7.6 inches (19.30 cm) d.b.h.

Calipers were utilized in early inventory work. The records are not clear as to when the use of the diameter tape became accepted, although it was used prior to the 1960 inventory. The original tree numbers were supplemented by a new numbering scheme in 1950 when a grid of 2.5-acre (1.01-ha) plots was imposed on the tract, but because the original tags remain on each tree a cross correlation has been simple.

The principal requirements demanded by this inventory system were trained and careful observers and adequate funding: the data reveal clearly that some inventory crews were much more attentive to detail in rating tree condition than others.

Automatic Data Processing

Section 1: Individual Tree Data

The original field sheets and tabulations resulting from all inventories were compiled, and this information is presented as the **individual tree data section** of this report. The printed format is an image of the card file.

1. **Age class** indicates whether a tree was judged to be a "blackjack" (code 1) or "yellow pine" (code 2). Only age class data from the 1920, 1940, and 1960 inventories are presented.
2. **Age-vigor** denotes an attempt to classify the growing stock according to its growth potential. In this publication, "age-vigor" is shown for three 15-year periods:

Period I: 1925-1940
Period II: 1940-1955
Period III: 1955-1970

Age Code (first of two digits):

- 1 "young blackjacks", d.b.h. < 12 inches.
- 2 "sawtimber-size blackjacks", d.b.h. > 12 inches.
- 3 intermediates or young yellow pines (mature).
- 4 old yellow pines (overmature).

Vigor Code (second of two digits):

- 0 15-year periodic diameter growth ≥ 2.10 inches.
- 1 15-year periodic diameter growth between 1.50 and 2.09 inches.
- 2 15-year periodic diameter growth between 0.80 and 1.49 inches.
- 3 15-year periodic diameter growth between 0.40 and 0.79 inch.

4 15-year periodic diameter growth < 0.39 inch.
"X" Denotes incomplete measurements for the period. Various "Age-Vigor" classes were in vogue during the 40-year period represented by these inventories. Many were a modified Keen class rating (Keen 1943) or a modified Thomson approach (Thomson 1940), both of which utilized crown class schemes. Because it was necessary to obtain uniformity for this publication, a more rigorous approach has been chosen. Note also that the "age" is not strictly defined but is rather subjective except where diameter limits prevail.

3. **Tree condition** refers to whatever faults the observer noted for a particular tree. These observations were subjective, so each subsequent observer might report different defects. The codes for each inventory have been correlated and are listed in the appendix.

4. **D.b.h.** measurements have been made consistently at the same height, which is a permanently marked location on the bole. To complete the sequence of measurements, missing data were calculated by linear extrapolation of the subsequent annual diameter increment. The lower diameter limit is 3.6 inches (9.14 cm).

Section 2: Subplot Data

Individual tree data provide the basis for all compilation in this section as well as section 3. The subplots are nominally 2.5 acres each, and both census (stem count) and basal area data are displayed on a per-acre basis. Diameter class limits are set above the median (i.e., 3.6 to 4.5 inches d.b.h. for the 4-inch diameter class). Basal area subtotals are calculated as sums of the individual trees and not on the basis of class averages.

Section 3: Composite Stand and Stock Tables

Composite tables listing the number of trees and basal area, as well as cubic-foot and board-foot volumes on a per-acre basis, are presented for each year of inventory for the entire tract. These volumes were obtained after constructing a local height-diameter curve, where:

$$Ht = -4.659 + 5.363 \text{ d.b.h.} - 0.062 \text{ d.b.h.}^2$$

Ht (feet), d.b.h. (inches): $r^2 = 0.89$, $n = 75$.

The actual inventory diameter data and the derived heights provided the independent variables for use in a volume regression equation which has been developed for southwestern ponderosa pine (Myers 1972). To allow for unutilizable wood due

to crook and sweep, and reduced volume due to fork and broken top, the derived volumes were arbitrarily reduced by 10 percent.

Computations were done on an individual tree basis, and the results were summed to obtain the diameter class values which are presented in the stand tables by inventory year. Similar tables for mortality and growth are given for the nine periods between inventories.

There are six summary tables, in two groups of three each. In the first group (p. 69), a table of net average annual diameter growth by size classes and growth periods and a table showing the percent of trees in a diameter class moving up into the next class during the growth period enable one to analyze fluctuations in growth rates. The final table in this first group defines the percent mortality by killing agent on a diameter-class basis for all growth periods. The last row of this table gives a weighted average of mortality by killing agent.

The last group of three tables (p. 71) presents grand totals; they summarize stand, mortality, and net-growth data.

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Appendix

Code	Explanation	Code	Explanation
00	No apparent defect or fault	46	Other heart rot
01	Unmerchantable—fork or crotch	50	Tipmoth—light
02	Fork or crotch below 18 feet	51	Tipmoth—heavy
03	Fork or crotch above 18 feet	52	<i>Dendroctonus</i> present
04	Suppressed	53	<i>Ips</i> present
05	Pruned	54	Turpentine beetles present
09	Merchantable—spike top	55	Shoot moth present
10	Unmerchantable—spike top or complete girdle below 18 feet	60	Lightning—top dead
11	Unmerchantable—crook or sweep	61	Lightning—bole split
12	Unmerchantable—limby	62	Lightning—scar on one-quarter bole
13	Leans more than 4° from vertical	63	Lightning—scar on over one-quarter bole
14	Merchantable—crook or sweep	64	Fire scar on one-quarter bole at base
20	Mistletoe—light in crown	65	Fire scar on over one-quarter bole at base
21	Mistletoe—heavy in crown	66	Fire—bark burnt on one-half bole at base
22	Mistletoe—light on bole	67	Fire—bark burnt completely at base
23	Mistletoe—heavy on bole	70	Snow bend—less than 30° from vertical
24	Mistletoe—on bole and crown	71	Snow bend—from 30° to 45° from vertical
25	Mistletoe—top dead	72	Snow bend—more than 45° from vertical
30	Squirrel—light damage	73	Snow—top broken
31	Squirrel—medium damage	74	Wind—top broken
32	Squirrel—heavy damage	76	Lightning—top broken
33	Porcupine—partial girdle in crown	90	Killing agent—lightning
34	Porcupine—partial girdle below crown	91	Killing agent—wind
35	Porcupine—complete girdle	92	Killing agent—insects
40	Rust—new in crown	93	Killing agent—rust
41	Rust—advanced in crown	94	Killing agent—dwarf mistletoe
42	Rust—new in bole	95	Killing agent—suppressed
43	Rust—advanced in bole	96	Killing agent—root rot
44	<i>Elytroderma</i> (needle blight) in crown	98	Killing agent—other identifiable agents (squirrel, snow bend)
45	Red rot	99	Killing agent—unidentified agent

Section 1: INDIVIDUAL TREE DATA

TABLE 1.1:

PLOT NO.	SUB PLOT NO.	TREE NO.	AGE CLASS			AGE VIGOR			TREE CONDITION CODE														D.B.H. (INCHES)									
			20	40	60	I	II	III	1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70				
61	1	1	1	1	1	10	10	11	0	0	52	0	0	0	0	0	0	0	10.3	11.4	12.5	13.6	14.5	15.4	15.9	16.6	17.0	18.4				
61	1	2	1	1	1	20	21	22	0	0	0	0	0	0	0	0	0	0	18.9	19.9	21.1	22.3	23.1	23.8	24.2	24.7	25.0	25.7				
61	1	3	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.2	5.2	5.7	6.2				
61	1	4	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.3	5.3	5.8	6.3				
61	1	5	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	4.2	5.2	6.0	6.8	7.4	7.9	8.4	9.5				
61	1	6	2	2	2	24	24	34	0	0	0	0	0	60	0	0	0	60	24.5	24.6	24.6	24.6	24.7	24.8	24.8	24.8	25.1	25.2				
61	1	7	2	2	2	22	22	33	0	0	52	0	0	0	30	0	0	0	24.6	24.9	25.2	25.8	26.2	26.8	26.9	27.2	27.3	27.7				
61	1	8	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.5	5.0	6.0				
61	1	9	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.2	4.7	5.2	5.7	6.2	7.2				
61	1	10	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.2	4.7	5.2	6.2				
61	1	11	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.2	4.9	5.4	5.9	6.9				
61	1	12	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.3	4.8	5.3	5.8	6.8				
61	1	13	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	4.6	5.1	5.6	6.1	7.1				
61	1	14	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.3	4.8	5.3	5.8	6.8				
61	1	15	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	3.9	4.4	4.9	5.4	5.9	6.4	6.9	7.9				
61	1	16	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.1	4.6	5.1	6.1				
61	1	17	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	3.6	4.4	4.9	5.4	6.4				
61	1	18	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.1	4.6	5.1	6.1				
61	1	19	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.3	4.8	5.3	5.8	6.3</					

[illegible]

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61	2	230	2	2	2	43	43	44	0	0	0	0	0	0	0	0	0	0	0	22.8	23.1	23.3	23.5	23.8	24.1	24.2	24.3	24.5
61	2	231	2	2	2	44	44	44	0	0	0	0	0	0	0	0	0	0	0	22.9	23.2	23.2	23.3	23.4	23.5	23.5	23.7	23.8
61	2	232	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.2	4.7	5.2	5.9
61	2	233	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.4	5.3	6.3	8.3
61	2	234	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.6	5.4	7.0
61	2	235	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.7	5.7	7.7
61	2	236	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.4	5.4	6.4	9.4
61	2	237	1	1	1	1X	1X	10	0	0	0	0	0	0	14	14	14	14	14	.0	.0	.0	.0	.0	4.4	5.2	6.0	7.5
61	2	238	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.6	6.0	6.0
61	2	239	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.4	5.0	6.3	6.3
61	2	240	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.3	4.9	6.2	6.2
61	2	241	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.2	5.0	6.8	6.8
61	2	242	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.4	5.2	7.0	7.0
61	2	243	1	1	1	1X	1X	10	0	0	0	0	0	0	0	14	14	14	14	.0	.0	.0	.0	.0	4.2	5.0	6.8	6.8
61	2	244	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.4	5.0	6.2	6.2
61	2	245	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.3	5.0	6.1	6.1
61	2	246	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.4	5.0	6.8	6.8
61	2	247	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.6	7.8	6.0
61	2	248	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.6	5.4	7.3
61	2	249	1	0	0	2X	44	44	0	0	0	0	0	0	0	0	0	0	0	17.7	20.7	21.7	22.1	.0	.0	.0	.0	.0
61	2	249	1	1	1	10	22	22	0	0	0	0	0	0	0	0	0	0	0	19.7	20.7	21.7	22.7	23.3	23.8	24.3	24.6	25.2
61	2	250	1	1	1	22	22	23	0	0	0	0	0	31	31	0	0	0	0	22.4	23.1	23.7	24.2	24.5	25.0	25.0	25.4	25.9
61	2	251	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	33	33	.0	.0	.0	.0	.0	4.2	5.0	6.6	6.6
61	2	252	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.6	5.4	6.0	7.2
61	2	253	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.8	5.4	6.0	6.9
61	2	254	2	2	0	44	44	44	9	9	52	33	60	60	60	90	0	0	0	34.2	34.3	34.3	34.4	33.6	33.6	33.7	33.7	.0
61	2	255	2	2	0	44	44	44	9	9	44	31	31	31	31	92	0	0	0	20.9	21.1	21.1	21.2	21.2	21.3	21.3	.0	.0
61	2	256	2	2	0	44	44	44	0	0	0	0	0	0	0	0	90	0	0	27.8	28.0	28.2	28.4	28.4	28.6	28.6	.0	.0
61	2	257	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.2	4.7	5.4	6.4
61	2	258	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	3.6	4.3	5.0	6.4
61	2	259	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.3	4.9	5.6	6.7

TABLE 1.3:
 =====

SUB			AGE			AGE			FREE CONDITION CODE												D.B.H. (INCHES)									
PL01	PL01	PL01	NO.	NO.	NO.	CLASS			1920 25 30 35 40 45 50 55 60 70												1920	25	30	35	40	45	50	55	60	70
61	3	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.4	5.3	7.1	7.1	
61	3	2	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.4	5.3	7.1	7.1	
61	3	3	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.7	6.3	6.3	
61	3	4	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.4	6.1	6.1	
61	3	5	1	1	1	1X	1X	10	0	0	0	0	0	0	14	14	14	14	14	.0	.0	.0	.0	.0	.0	3.6	4.5	5.4	7.1	
61	3	6	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.6	4.9	6.5	
61	3	7	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.4	5.2	6.8	6.8	
61	3	8	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	4.4	6.1	6.1
61	3	91	0	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.9	4.9	5.9	7.9	
61	3	10	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.0	8.0	
61	3	11	1	1	1	1X	1X	10	0	0	0	0	0	0	2	2	2	2	2	.0	.0	.0	.0	.0	.0	4.2	5.0	5.9	7.6	
61	3	12	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.7	6.3	6.3	
61	3	13	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.2	4.8	6.4	6.4	
61	3	14	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.3	4.9	6.7	6.7	
61	3	15	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.1	5.1	6.1	8.1	
61	3	16	1	1	1	1X	1X	10	0	0	0	0	0	0	0	3	3	3	3	.0	.0	.0	.0	.0	.0	.0	4.0	4.7	6.2	6.2
61	3	17	1	1	1	10	10	20	0	0	0	0	0	0	5	0	0	0	0	.0	4.0	6.3	8.3	9.9	10.9	11.8	12.6	13.2	14.8	
61	3	18	1	1	1	1X	10	20	0	0	0	0	0	0	0	0	0	2	2	.0	.0	.0	.0	4.0	6.5	8.0	9.4	11.0	12.7	
61	3	19	1	1	1	20	20	20	0	0	0	0	0	0	0	0	0	30	0	15.4	16.7	18.3	21.0	21.2	22.3	23.6	24.0	24.8	26.2	
61	3	20	1	1	1	22	22	24	0	0	0	0	0	0	0	0	0	0	0	17.3	17.7	18.1	18.5	18.7	19.2	19.4	19.6	19.6	19.7	
61	3	21	1	1	1</																									

[illegible]

TABLE 1.5:16

[illegible]18

TABLE 1.7:

SUB			AGE			AGE=			TREE CONDITION CODE													O.B.H. (INCHES)									
PLOT NO.	PLOT NO.	TREE NO.	CLASS	20	40	60	I	II	III	1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70		
61	7	1	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	5.3	6.4	7.8		
61	7	2	1	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	3.6	5.1	5.8	6.5	7.2	7.8	8.3	9.5		
61	7	3	1	1	1	1	10	11	13	0	0	0	0	0	0	33	0	0	0	3.6	4.0	4.6	5.3	6.1	6.9	7.6	8.2	8.6	8.9		
61	7	4	1	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	.0	3.9	4.6	5.7	6.2	7.0	7.6	8.0	8.5	9.3		
61	7	5	1	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.0	6.6		
61	7	6	1	1	1	1	10	11	10	0	33	0	0	0	0	0	0	0	0	4.1	5.2	6.7	7.7	8.5	9.2	9.8	10.4	11.2	13.7		
61	7	7	1	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.2	8.9		
61	7	8	1	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	5.0	5.6	6.2		
61	7	9	1	1	1	1	1X	12	11	0	0	0	0	0	0	0	0	11	11	.0	.0	3.6	4.5	5.1	5.7	5.9	6.2	6.7	7.9		
61	7	10	1	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.6	4.4	5.4	6.4		
61	7	11	1	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	5.0	5.9	6.5	7.0	
61	7	12	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.5	4.9	6.9		
61	7	13	1	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	35	9	.0	.0	.0	.0	.0	.0	.0	.0	4.1	6.1		
61	7	14	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.3	6.3	
61	7	15	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.1	7.1	
61	7	16	1	1	1	1	10	10	20	0	0	0	0	0	0	0	0	0	0	.0	3.6	5.2	7.3	8.8	9.9	10.8	11.7	12.5	13.8		
61	7	17	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.3	6.3	
61	7	18	1	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.0	6.0	
61	7	19	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	3	.0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.0	8.0	
61	7	20	2	2	2	2	31	32	32	0	0	0	0	0	0	0	0	0	0	19.4	20.0	20.6	21.3	21.8	22.4	22.6	22.9	23.3	23.9		
61	7	21	2	2	2	2	43	42	43	0	0	52	0	0	0	31	0	0	0	31.9	32.1	32.1	32.6	32.9	33.2	33.5	33.7	34.0	34.4	34.4	
61	7	22	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	4.5	6.5	
61	7	23	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	33	.0	.0	.0	.0	.0	.0	.0	3.6	4.5	5.5	7.5	
61	7	24	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0	7.0	
61	7	25	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	3.9	4.9	6.9	
61	7	26	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	5.2	7.2	
61	7	27	2	2	2	2	42	44	43	30	30	30	30	62	30	30	30	30	30	25.0	25.4	25.9	26.3	26.6	26.8	26.8	26.9	27.1	27.5	27.5	
61	7	28	2	2	2	2	42	43	43	30	64	30	30	60	30	30	30	30	30	28.4	28.7	29.1	29.5	29.7	30.0	30.1	30.3	30.5	31.0	31.0	
61	7	29	1	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2	
61	7	30	1	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.0	
61	7	31	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.8	6.8	
61	7	32	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.8	6.8	
61	7	33	1	1	1	1	20	22	23	0	0	0	0	0	0	0	0	0	0	17.5	18.2	19.2	19.8	20.4	20.9	21.2	21.7	21.9	22.4	22.4	
61	7	34	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.4	6.4	
61	7	35	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.5	6.5	
61	7	36	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	9	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.2	6.2	
61	7	37	1	1	1	1	10	12	14	0	0	0	0	0	0	33	33	35	9	4.8	5.8	7.2	8.1	8.8	9.4	9.6	10.0	10.0	10.3	10.3	
61	7	38	1	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	0	4.8	5.5	6.6	7.2	7.7	8.2	8.6	9.1	9.4	10.2	10.2	
61	7	39	1	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	52	4.0	4.9	6.1	7.0	7.7	8.0	8.3	8.7	9.2	9.8	9.8	
61	7	40	1	1	1	1	10	12	12	0	0	0	0	0	0	33	33	0	0	5.1	6.4	8.0	9.5	10.2	10.6	11.1	11.5	11.9	12.5	12.5	
61	7	41	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.0	8.0	8.0
61	7	42	1	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	3.6	4.1	4.3	4.6	4.6	4.7	4.8	6.0	6.0	
61	7	43	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.8	6.8	6.8
61	7	44	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.9	6.9	6.9
61	7	45	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.0	7.0	9.0	9.0
61	7	46	1	1	5	5	1X	1X																							

61		7	191	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2		
61		7	192	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	6.0		
61		7	193	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.9	6.9		
61		7	194	1	1	1	10	13	14	0	0	0	0	0	0	0	0	0	0	6.9	7.7	8.9	9.5	10.1	10.2	10.5	10.8	10.9	11.1	
61		7	195	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	3	.0	4.1	4.9	5.4	5.8	6.3	6.5	6.7	7.0	7.5	
61		7	196	1	1	1	11	13	12	0	0	0	0	0	0	0	0	0	0	3.6	4.8	5.6	6.4	6.6	6.9	7.2	7.4	7.7	8.2	
61		7	197	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	4.3	4.7	5.2	5.6	5.9	6.2	6.5	7.0	
61		7	198	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	33	.0	.0	3.7	4.5	5.0	5.5	5.8	6.1	6.5	7.2	
61		7	199	1	1	1	10	11	21	0	0	0	0	0	0	0	0	0	0	6.2	7.1	8.2	9.0	9.8	10.4	11.0	11.5	12.1	13.0	
61		7	200	1	1	1	12	13	13	0	0	0	0	0	0	0	0	0	3	5.0	5.6	6.0	6.5	6.8	7.1	7.4	7.7	8.0		
61		7	201	1	1	1	10	12	22	0	0	0	0	0	0	0	0	0	0	8.1	8.9	9.9	10.5	11.2	11.6	11.9	12.4	13.0	13.5	
61		7	202	1	1	1	10	12	12	0	14	0	0	0	0	0	0	0	0	4.7	5.5	6.3	7.1	7.8	8.2	8.5	9.0	9.3	9.8	
61		7	203	1	1	1	1X	1X	10	0	0	0	0	0	0	0	30	3	3	.0	.0	.0	.0	.0	.0	4.1	5.2	6.1	7.9	
61		7	204	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	C	.0	.0	.0	.0	4.0	5.0	6.1	8.1
61		7	205	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	11	.0	.0	.0	.0	.0	.0	.0	3.6	4.2	6.2	
61		7	206	1	1	1	10	13	14	0	0	0	0	0	0	0	0	0	0	4.3	5.1	6.2	6.9	7.6	7.8	8.2	8.4	8.7	8.7	
61		7	207	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	3	4.9	5.8	7.0	7.7	8.4	8.9	9.3	9.7	10.1	10.6	
61		7	208	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	0	4.1	5.1	6.3	7.1	8.0	8.3	8.8	9.4	9.8	10.8	
61		7	209	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	4.0	5.0	6.2	7.1	7.9	8.5	8.9	9.4	10.0	10.8	
61		7	210	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.1	5.0	5.9	6.7	
61		7	211	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	4.5	6.5	
61		7	212	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0	7.0	
61		7	213	1	1	1	10	11	11	0	0	0	0	0	0	31	0	0	0	.0	3.8	4.7	5.8	6.7	7.5	8.0	8.7	9.3	10.2	
61		7	214	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2	
61		7	215	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	6.2	
61		7	216	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.9	5.9	7.9	
61		7	217	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.6	4.5	5.5	7.5	
61		7	218	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	4.1	4.8	5.6	6.3	6.5	7.4	8.3	9.2	
61		7	219	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	3.6	4.3	5.0	5.6	6.4	7.2	8.4	9.6	
61		7	220	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	6.0	
61		7	221	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	4	4	.0	.0	.0	.0	.0	.0	.0	4.0	4.8	6.8	
61		7	222	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	6.5	7.2	8.0	8.9	9.6	10.8	
61		7	223	1	1	1	1X	1X	11	0	0	0	0	0	0	33	33	33	33	.0	.0	.0	.0	.0	4.0	5.0	6.0	6.7	7.5	
61		7	224	1	1	1	1X	1X	11	0	0	0	0	0	0	20	20	20	20	.0	.0	.0	.0	.0	.0	4.0	4.6	4.8	6.3	
61		7	225	1	1	1	1X	1X	10	0	0	0	0	0	0	0	14	14	14	.0	.0	.0	.0	.0	.0	.0	4.0	4.9	6.7	
61		7	226	2	2	2	42	43	43	0	0	0	0	0	62	0	0	0	0	24.2	24.5	24.8	25.1	25.4	25.5	25.7	25.8	26.1	26.3	
61		7	227	1	1	1	1X	1X	31	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.8	5.4	7.2	
61		7	228	1	1	1	10	10	11	0	0	0	0	0	0	0	0	0	0	.0	3.7	4.8	5.7	6.9	8.1	8.9	9.7	10.5	11.6	
61		7	229	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	4	.0	.0	.0	.0	.0	.0	.0	.0	4.3	6.3	
61		7	230	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	.0	3.7	4.6	5.7	6.6	7.4	7.9	8.5	9.0	9.8	
61		7	231	1	1	1	1X	1X	12	0	0	0	0	0	0	33	33	34	34	.0	.0	.0	.0	.0	4.0	5.0	5.5	6.0	6.8	
61		7	232	2	2	2	42	44	44	0	3	0	0	0	0	0	0	0	0	24.3	24.6	30.1	30.2	30.5	30.5	30.6	30.7	30.7	30.7	
61		7	233	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	14	14	.0	.0	.0	.0	.0	.0	.0	4.0	5.0	6.8	
61		7	234	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	3.6	4.5	5.5	6.3	8.0	
61		7	235	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.8	5.4	6.2	7.9	
61		7	236	2	2	2	42	44	44	0	0	0	0	0	0	3	0	0	0	30.5	30.8	31.3	31.4	31.7	31.8	31.8	32.0	32.0	32.1	
61		7	237	2	2	2	43	44	44	0	0	52	9	0	0	31	0	0	13	21.0	21.2	21.4	21.6	21.8	22.0	22.0	22.1	22.3	22.5	
61		7	238	2	2	2	33	34	34	0	13	0	0	0	14	0	0	0	0	28.7	29.0	29.4	29.4	29.7	30.0	30.0	30.0	30.2	30.2	
61		7	239	2	2	2	44	44	44	0	0	74	0	0	0	30	2	0	92	29.6	30.0	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	
61		7	240	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	33	33	.0	.0	.0	.0	.0	4.0	4.9	5.9	6.9	8.6	
61		7	241	1	1	1	10	10	21	0	0	0	0	0	0	0	0	0	0	6.6	7.4	8.6	9.7	9.8	11.5	12.1	12.8	13.5	14.4	
61		7	242	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	5.0	5.8	6.3	8.0		
61		7	243	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	33	33	.0	.0	.0	.0	.0	.0	.0	4.0	6.0		
61		7	244	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	4.7	5.8	7.1	8.0	9.0	9.7	10.3	10.9	11.4	12.2	
61		7	245	1	1	1	10	11	22	0	33	2	0	0	0	31	0	0	0	5.9	7.1	8.3	9.1	9.7	10.2	10.6	11.2	11.6	12.3	
61		7	246	1	1	1	10	22	22	0	33	0	0	0	33	0	3	0	0	10.5	11.2	12.0	12.7	13.4	13.7	14.1	14.5	14.8	15.3	
61		7	247	1	1	1	10	11	21	0	0	0	0	0	0	0	0	0	0	6.5	7.4	8.5	9.1	9.9	10.4	10.9	11.4	12.0	12.9	
61		7	248	1	1	1	20	21	22	0	0	0	0	0	0	0	0	0	0	13.4	14.2	15.2	15.9	16.5	17.3	17.5	18.3	18.8	19.5	
61		7	249	1	1	1	20	21	22	0	0	0	0	0	0	0	0	0	0	11.2	12.6	13.9	15.0	15.8	16.6	17.0	17.7	18.3	19.0	
61		7	250	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	0	6.1	7.0	8.2	9.0	9.6	10.2	10.5	11.0	11.3	11.8	
61		7	251	1	1	1	11	13	13	0	0	0	0	0	0	0	0	0	0	.0										

61	7	291	1	1	1	1X 1X 1X	0	0	0	0	0	92	0	0	0	4.0	4.5	4.8	4.8	4.8	4.9	4.9	4.0	4.0	4.0
61	7	292	1	1	1	1X 1X 1X	0	0	0	92	0	0	0	0	0	4.0	5.5	6.6	6.8	4.0	4.0	4.0	4.0	4.0	4.0
61	7	293	1	1	1	1X 1X 1X	0	0	0	0	92	0	0	0	0	4.0	4.0	3.7	4.5	4.9	4.0	4.0	4.0	4.0	4.0

TABLE 1.8:

SUS			PLOT TREE			AGE			AGE VIGOR			TREE CONDITION CODE											D.B.H. (INCHES)										
PLOT NO.	NO.	NO.	CLASS			I II III			1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70					
61	8	1	1	1	1	21	22	22	0	0	0	0	0	0	0	0	30	0	20.6	21.1	21.6	22.2	22.7	23.3	23.6	24.1	24.4	25.0					
61	8	2	1	1	1	21	22	22	0	0	0	0	0	0	0	30	0	30	0	16.1	16.8	17.5	18.2	18.9	19.4	19.8	20.2	20.6	21.0				
61	8	3	1	1	1	23	24	24	0	4	0	0	0	0	0	31	0	0	76	18.4	18.6	18.7	18.9	19.2	19.2	19.2	19.2	19.2	19.3				
61	8	4	1	1	1	22	23	23	0	3	0	0	0	0	0	31	30	0	0	18.6	18.9	19.2	19.6	19.9	20.0	20.2	20.4	20.6	20.9				
61	8	5	1	1	1	22	22	22	0	0	2	0	0	0	0	0	0	14	11.3	12.1	12.5	13.0	13.4	13.7	14.0	14.2	14.8	15.6					
61	8	6	2	2	2	32	32	32	0	0	0	0	0	0	0	0	0	0	20.6	20.1	20.6	21.0	21.5	21.9	22.1	22.3	22.6	23.1					
61	8	7	1	1	1	22	24	24	0	3	0	0	0	0	0	30	0	0	19.7	20.0	20.3	20.6	20.8	21.0	21.0	21.0	21.1	21.1					
61	8	8	2	2	2	31	32	32	0	0	0	0	0	0	0	0	30	0	20.2	21.1	21.7	22.5	22.9	23.5	23.6	24.0	24.4	24.8					
61	8	9	1	1	1	22	22	23	0	0	0	0	0	0	0	0	30	0	15.5	15.8	16.1	16.4	16.8	17.2	17.4	17.7	17.9	18.2					
61	8	10	1	1	1	20	22	22	0	0	0	0	0	0	0	30	30	0	12.2	12.9	13.8	14.3	15.1	15.7	16.0	16.5	17.1	17.7					
61	8	11	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.5	5.0	5.5	6.0	6.8	7.6					
61	8	12	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.3	4.8	5.3	5.8	6.6	7.4					
61	8	13	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	3.6	4.2	5.0	5.9	6.7	8.0					
61	8	14	2	2	2	34	34	34	0	3	52	64	0	9	13	0	0	76	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5					
61	8	15	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	4.6	6.1					
61	8	16	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	5.0	5.7	7.0					
61	8	17	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	3.9	4.5	5.1	5.7	6.3	6.9	7.5	8.1	8.8	9.9					
61	8	18	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	5.0	5.7	7.3					
61	8	19	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	5.1	5.9	7.8					
61	8	20	1	0	1	1X	44	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.9	5.8	7.4					
61	8	21	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	5.1	5.9	6.6	7.2				
61	8	22	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	14	4.0	4.0	4.0	4.0	4.0	4.3	4.9	5.6	6.2	6.8					
61	8	23	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.7	6.0					
61	8	24	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.4	5.3	6.1	7.0	7.8	9.5					
61	8	25	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	4.0	3.6	4.2	4.8	5.4	6.0	6.6	7.2	7.8	9.0					
61	8	26	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.9	6.0	7.5					
61	8	27	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	4.8	6.0	7.8				
61	8	28	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	6.8				
61	8	29	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	6.0	7.8				
61	8	30	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.6	4.8	5.8	7.6				
61	8	31	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	14	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.6	4.5	6.3				
61	8	32	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8	5.0	6.9				
61	8	33	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.2	4.6	5.2	5.6	6.0	6.4	7.1					
61	8	34	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.6	4.2	6.0					
61	8	35	2	2	2	34	34	34	0	2	52	0	0	0	0	0	0	64	13.6	13.7	13.7	13.8	14.0	14.1	14.1	14.2	14.2	14.5					
61	8	36	2	2	2	42	43	44	0	0	0	0	0	0	30	0	30	0	26.4	26.7	27.0	27.2	27.5	27.7	27.8	28.1	28.3	28.5					
61	8	37	2	2	2	42	43	43	0	4	64	0	0	13	30	0	0	14	10.9	11.2	11.3	11.6	12.1	12.1	12.4	12.6	12.8	13.2					
61	8	38	2	2	2	42	43	43	0	0	0	0	0	0	30	0	0	0	21.4	21.6	21.9	22.4	22.7	23.0	23.1	23.3	23.6	24.0					
61	8	39	2	2	2	32	32	32	0	0	0	0	0	0	0	0	0	0	20.2	20.6	21.1	21.5	21.9	22.2	22.5	22.7	23.1	23.5					
61	8	40	2	2	2	33	34	33	0	0	0	0	0	0	0	31	0	14	21.3	21.4	21.5	21.6	21.8	21.9	21.9	21.9	22.0	22.4					
61	8	41	2	2	2	32	33	33	0	0	52	0	0	0	0	0	30	13	24.4	24.8	25.2	25.5	26.0	26.2	26.3	26.6	26.9	27.3					
61	8	42	2	2	2	33	34	34	0	3	52	0	0	0	0	0	0	13	24.7	24.9	25.0	25.2	25.4	25.6	25.6	25.7	25.8	26.0					
61	8	43	2	2	2	32	33	32	0	64	0	0	0	0	30	0	0	0	21.9	22.2	22.5	22.8	23.2	23.4	23.6	23.8	24.0	24.6					
61	8	44	2	2	2	32	32	32	0	64	52	0	0	0	30	0	0	0	20.9	21.2	21.4	21.8	22.1	22.4	22.6	23.0	23.3	24.0					
61	8	45	2	2	2	33	34	34	0	0	0	0	0	13	30	64	0	0	23.2	23.4	23.6	23.7	24.0	24.0	24.1	24.2	24.4	24.5					
61	8	46	2	2	2	33	34	33	0	0	9	0	0	0	0	0	74	16.2	16.4	16.6	16.8	17.1	17.3	17.4	17.5	17.7	18.2						
61	8	47	2	2	2	32	34	33	0	0	0	0	0	0	0	0	30	23.4	23.7	24.0	24.2	24.5	24.7	24.7	24.8	25.0	25.3						
61	8	48	2	2	2	32	34	33	0	0	52	0	0	0	30	3	0	0	22.3	22.6	22.9	23.2	23.5	23.6	23.7	23.8	24.0	24.4					
61	8	49	2	2	2	33	34	34	0	0	0	0	0	64	0	0																	

61	8	91	1	1	1	12	13	13	0	0	0	0	0	0	0	0	0	0	4.6	4.9	5.3	5.6	5.9	6.2	6.4	6.6	6.8	7.2
61	8	92	1	1	1	10	11	21	0	64	0	33	0	0	0	0	0	33	7.0	7.9	8.9	10.0	10.6	11.3	12.0	12.7	13.3	14.4
61	8	93	1	1	1	10	20	21	0	2	0	0	0	0	20	20	20	20	7.0	8.2	9.4	10.7	11.7	12.3	13.1	14.0	14.8	15.9
61	8	94	1	1	1	10	11	11	0	0	0	0	33	20	0	0	0	0	0	4.0	5.0	5.9	6.7	7.1	7.9	8.3	8.9	9.9
61	8	95	2	2	2	33	34	34	0	21	25	0	0	0	20	0	0	20	24.4	24.6	24.8	25.0	25.3	25.3	25.4	25.5	25.5	25.6
61	8	96	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	0	5.4	5.9	6.4	6.9	7.3	7.7	8.0	8.3	8.4	8.8
61	8	97	1	1	1	12	14	14	0	73	0	0	0	0	0	0	0	14	7.5	7.8	8.2	8.4	8.7	8.9	8.9	8.9	8.9	8.9
61	8	98	1	1	1	10	12	23	0	0	0	0	0	22	22	22	22	0	7.8	8.6	9.6	10.2	10.9	11.4	11.8	12.1	12.4	12.8
61	8	99	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	3	7.0	7.5	8.2	8.5	9.0	9.4	9.6	9.8	10.2	10.9
61	8	100	1	1	1	13	13	13	0	0	0	0	0	0	0	0	0	0	5.2	5.4	5.5	5.7	6.1	6.3	6.6	6.8	7.0	7.4
61	8	101	1	1	1	10	22	22	0	0	0	0	0	0	0	0	0	0	9.2	9.9	10.8	11.2	12.0	12.4	12.8	13.1	13.4	14.3
61	8	102	1	1	1	11	21	22	0	0	0	0	0	0	20	0	0	0	9.3	9.9	11.0	11.2	11.8	12.4	12.8	13.3	13.8	14.5
61	8	103	1	1	1	10	21	21	0	0	0	0	0	0	0	0	0	3	8.0	8.9	10.0	10.7	11.7	12.3	12.8	13.4	13.9	15.1
61	8	104	1	1	1	10	12	23	0	14	0	0	0	0	0	0	0	3	8.1	8.9	9.8	10.4	11.0	11.4	11.6	11.9	12.2	12.5
61	8	105	1	1	1	10	10	11	0	0	0	0	0	0	0	0	0	0	0	3.8	5.6	7.2	8.3	9.0	9.9	10.5	11.3	12.4
61	8	106	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	0	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.6
61	8	107	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	5.2	7.4
61	8	108	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	4.7	6.2
61	8	109	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	1	0	4.2	4.7	5.3	5.8	6.2	6.7	7.2	7.4	8.0
61	8	110	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.3	5.0	6.8
61	8	111	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	3	0	0	0	3.6	4.3	4.9	5.5	6.2	6.8	8.0
61	8	112	2	2	2	32	33	32	0	4	0	0	0	3	0	0	0	0	17.7	18.1	18.6	18.9	19.4	19.6	19.8	20.0	20.4	21.1
61	8	113	1	1	1	21	22	22	0	0	0	0	0	0	30	0	0	0	17.6	18.1	18.6	19.0	19.7	20.0	20.4	20.8	21.1	21.8
61	8	114	1	1	1	10	20	21	0	0	0	0	0	0	0	0	0	0	9.0	10.0	11.2	12.2	12.9	13.7	14.3	15.0	15.7	16.5
61	8	115	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5	6.4	8.1
61	8	116	1	1	1	22	22	22	0	0	0	0	0	0	0	0	0	30	14.7	15.2	15.6	16.2	16.7	16.9	17.2	17.5	17.8	18.3
61	8	117	1	1	2	22	24	32	0	2	0	0	0	0	0	0	0	0	11.6	11.9	12.0	12.3	12.7	12.8	12.9	13.0	13.2	14.0
61	8	118	1	1	1	12	13	12	0	2	0	0	0	14	0	0	0	0	6.1	6.5	6.7	7.1	7.6	7.8	8.0	8.3	8.7	9.3
61	8	119	1	1	1	20	22	22	0	0	0	0	0	0	0	0	0	0	22.3	23.0	23.8	24.5	25.2	25.7	26.1	26.5	26.8	27.6
61	8	120	1	1	1	21	22	22	0	0	0	0	0	0	0	0	0	0	17.9	18.6	19.3	20.0	20.7	21.2	21.5	21.9	22.3	23.1
61	8	121	1	1	2	22	22	32	0	3	52	0	0	0	30	30	0	30	25.0	25.5	26.0	26.5	26.9	27.2	27.5	27.7	28.1	28.5
61	8	122	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	4.6	5.6	6.5	7.9	9.0	
61	8	123	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.7	4.6	6.8
61	8	124	2	2	2	33	33	34	0	3	52	0	0	9	0	0	30	0	28.5	28.7	28.9	29.2	29.4	29.6	29.8	29.8	29.9	30.1
61	8	125	2	2	2	33	33	34	0	64	0	0	0	0	0	0	0	0	32.3	32.5	32.7	33.0	33.1	33.4	33.5	33.8	33.8	34.2
61	8	126	2	2	2	34	34	34	0	4	0	0	0	14	0	0	0	0	18.1	18.2	18.4	18.4	18.5	18.8	18.8	18.9	19.0	19.0
61	8	127	2	2	2	32	32	32	0	64	0	0	0	13	30	0	14	0	23.2	23.6	24.1	24.4	24.8	25.2	25.4	25.7	26.1	26.9
61	8	128	2	2	2	32	33	33	0	64	52	0	0	0	30	0	0	0	20.3	20.6	20.9	21.2	21.5	21.7	21.9	22.1	22.2	22.7
61	8	129	2	2	2	32	32	32	0	64	0	0	0	0	30	0	0	0	17.4	17.9	18.3	18.8	19.3	19.8	20.1	20.5	20.8	21.4
61	8	130	2	2	2	33	33	33	0	64	0	0	0	0	0	0	0	0	16.3	16.6	16.9	17.2	17.4	17.7	17.8	17.9	18.3	18.6
61	8	131	2	2	2	32	34	33	0	0	0	0	0	0	0	0	0	0	22.0	22.3	22.6	23.0	23.2	23.4	23.5	23.5	23.6	24.0
61	8	132	2	2	2	34	34	34	0	3	4	0	0	14	0	0	0	0	14.1	14.2	14.2	14.3	14.5	14.5	14.6	14.7	14.7	14.7
61	8	133	2	2	2	32	33	34	0	0	0	0	0	0	0	0	0	3	26.7	27.0	27.5	27.8	28.0	28.3	28.3	28.5	28.5	28.5
61	8	134	2	2	2	34	34	34	0	0	30	0	0	0	0	0	0	14	21.9	22.0	22.1	22.3	22.4	22.5	22.6	22.6	22.6	22.9
61	8	135	2	2	2	34	34	34	0	0	0	0	0	0	0	0	0	4	11.5	11.5	11.5	11.6	11.6	11.7	11.7	11.8	11.8	11.8
61	8	136	1	1	1	22	22	33	0	0	0	0	0	3	30	0	30	0	23.9	24.3	24.9	25.1	25.4	25.9	26.0	26.2	26.4	26.7
61	8	137	1	1	2	22	24	34	0	0	0	0	0	0	30	0	30	0	25.8	26.1	26.5	26.7	27.0	27.1	27.2	27.4	27.5	27.6
61	8	138	1	1	1	11	12	22	0	0	0	0	0	0	0	0	0	0	8.9	9.4	10.0	10.4	10.9	11.3	11.5	11.8	12.2	12.6
61	8	139	1	1	1	22	22	22	0	0	0	0	0	0	0	0	0	0	12.1	12.5	12.9	13.3	13.7	14.1	14.4	14.7	15.0	15.5
61	8	140	1	1	1	13	13	23	0	0	0	0	0	14	0	4	0	0	10.3	10.5	10.7	10.9	11.2	11.4	11.6	11.7	12.0	12.3
61	8	141	1	1	1	22	24	22	0	0	0	0	30	0	30	0	0	0	11.9	12.2	12.6	12.7	13.1	13.2	13.2	13.2	13.3	14.0
61	8	142	1	1	1	21	22	22	0	0	0	0	0	0	0	0	0	0	11.4	11.9	12.5	13.0	13.4	14.0	14.3	14.7	14.9	15.7
61	8	143	1	1	1	22	22	22	0	0	0	0	0	0	0	0	0	3	20.6	21.0	21.4	21.8	22.3	22.7	23.1	23.3	23.5	24.1
61	8	144	1	1	1	24	24	24	0	3	73	0	0	9	30	0	0	0	11.8	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.2
61	8	145	1	1	1	22	22	23	0	73	0	0	0	0	30	0	0	0	13.4	13.8	14.2	14.6	15.0	15.4	15.6	15.9	16.1	16.5
61	8	146	1	1	1	22	23	23	0	0	0	0	30	0	30	0	0	13	13.3	13.7	14.2	14.5	14.8	15.0	15.2	15.5	15.8	16.2
61	8	147	1	1	1	11	12	22	0	0	0	0	0	0	0	0	0	0	8.2	8.7	9.2	9.6	10.2	10.6	10.8	11.3	11.6	12.2
61	8	148	1	1	1	22	23	22	0	0	0	0	0	0	0	0	0	0	15.9	16.4	16.9	17.2	17.8	17.9	18.2	18.5	18.8	19.3
61	8	149	1	1	1	21	21	22	0	0	0	0	0	0	30	0	0	0										

TABLE 1.9:

SUB			AGE			AGE=			TREE CONDITION CODE														D.B.H. (INCHES)									
PLOT NO.	PLOT NO.	TREE NO.	CLASS	20	40	60	I	II	III	1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70			
61	9	1	1	1	1		20	20	21	0	33	0	0	0	0	0	0	0	0	11.3	12.5	13.9	14.8	15.9	16.7	17.5	18.5	19.2	20.5			
61	9	2	1	1	1		10	21	22	0	0	0	0	0	0	0	0	0	0	9.2	10.2	11.4	12.3	13.1	13.7	14.1	14.7	15.4	16.2			
61	9	3	1	1	1		10	12	12	0	0	0	0	0	0	0	0	0	0	5.6	6.5	7.5	8.1	9.1	9.6	9.9	10.3	10.7	11.3			
61	9	4	1	1	1		10	11	11	0	0	0	0	0	0	0	0	0	0	10	3.9	5.0	5.9	6.7	7.2	7.8	8.4	9.0	9.9			
61	9	5	1	1	1		10	22	22	0	0	0	0	0	0	0	0	0	0	7.5	8.9	10.5	11.6	13.1	13.4	13.9	14.4	15.1	15.4			
61	9	6	1	1	1		10	12	12	0	33	2	0	0	0	0	0	0	0	10	4.3	5.8	6.6	7.4	7.8	8.2	8.5	9.0	9.6			
61	9	7	1	1	1		10	21	22	0	0	0	0	0	0	0	0	0	0	7.6	8.7	10.2	11.2	12.1	12.7	13.3	14.0	14.5	15.2			
61	9	8	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	0	4.9	5.3	5.8	6.2	6.7	7.1	7.5	8.0	8.5	9.3			
61	9	9	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	0	5.3	5.7	6.0	6.3	6.7	7.0	7.3	7.7	8.1	8.7			
61	9	10	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	0	10	10	10	3.9	4.2	4.6	4.8	5.2	5.5	6.0			
61	9	11	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	0	10	10	4.0	4.3	4.6	5.0	5.4	5.7	6.0	6.5			
61	9	12	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	0	10	3.9	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.2			
61	9	13	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	4.2	4.9	5.4	6.0	7.7			
61	9	14	1	1	1		10	22	22	0	33	0	0	0	0	0	0	0	3	9.1	10.1	11.3	12.2	13.1	13.7	14.0	14.5	15.1	15.7			
61	9	15	1	1	1		10	22	22	0	0	0	0	0	0	0	0	0	0	9.5	10.3	11.2	11.9	12.7	13.1	13.4	13.8	14.5	15.0			
61	9	16	1	1	1		11	12	12	0	0	0	0	0	0	0	0	0	0	5.4	6.1	6.9	7.6	8.2	8.7	9.0	9.5	10.0	10.7			
61	9	17	1	1	1		12	12	14	0	0	0	0	0	0	0	0	0	0	4.6	4.9	5.3	5.6	5.9	5.9	6.0	6.0	6.1	6.2			
61	9	18	1	1	1		10	13	13	0	33	0	0	0	0	0	0	0	0	5.0	5.4	5.8	6.1	6.4	6.8	7.0	7.1	7.3	7.6			
61	9	19	1	1	1		10	21	21	0	0	0	0	0	0	0	0	0	0	9.1	9.8	10.6	11.3	12.0	12.6	13.0	13.5	14.1	15.1			
61	9	20	1	1	1		10	13	13	0	33	2	0	0	0	0	0	0	33	5.2	5.9	6.6	7.3	8.1	8.3	8.6	8.8	9.0	9.4			
61	9	21	1	1	1		11	12	23	0	0	0	0	0	0	33	0	0	0	8.6	8.8	9.5	10.1	10.7	11.2	11.5	11.9	12.1	12.6			
61	9	22	1	1	1		11	12	22	0	33	0	0	0	0	0	0	0	0	7.9	8.5	9.2	9.7	10.3	10.8	11.2	11.7	12.1	12.9			
61	9	23	1	1	1		10	11	22	0	0	0	0	0	0	0	0	0	0	7.7	8.5	9.5	10.4	11.0	11.7	12.1	12.5	12.9	13.8			
61	9	24	1	1	1		12	12	14	0	33	33	0	0	0	0	0	0	4	6.1	6.5	7.0	7.4	7.7	7.9	8.0	8.0	8.2	8.2			
61	9	25	1	1	1		10	12	12	0	13	0	0	0	0	11	0	0	0	7.1	7.9	8.9	9.7	10.4	10.8	11.3	11.6	12.1	12.6			
61	9	26	1	1	1		22	23	22	20	20	20	20	20	21	21	21	21	21	23.2	23.5	23.9	24.1	24.5	24.8	24.9	25.0	25.4	25.8			
61	9	27	1	1	1		10	11	12	0	0	0	0	0	0	0	0	0	0	10	3.9	5.3	6.6	7.7	8.4	9.0	9.6	10.1	11.0			
61	9	28	1	1	1		10	12	12	0	0	0	0	0	0	34	0	0	3	10	4.0	5.3	6.4	7.4	7.9	8.2	8.7	9.2	9.9			
61	9	29	1	1	1		12	10	10	0	0	0	0	0	0	0	0	0	0	10	10	10	4.8	6.1	7.0	7.6	8.5	9.3	10.6			
61	9	30	1	1	1		10	11	11	0	0	0	0	0	0	0	0	0	0	10	3.8	5.3	6.6	7.7	8.2	8.9	9.7	10.5	11.5			
61	9	31	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	4.0	4.6	6.4		
61	9	32	1	1	1		12	11	11	0	0	0	0	0	0	0	0	0	0	10	10	4.3	5.5	6.5	7.4	7.9	8.5	9.1	10.1			
61	9	33	1	1	1		12	13	12	0	0	0	0	0	0	0	0	0	3	5.6	6.0	6.4	6.8	7.0	7.2	7.4	7.6	7.8	8.5			
61	9	34	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	33	10	10	10	10	10	10	10	10	4.2	6.1			
61	9	35	1	1	1		12	12	12	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	3.6	6.1		
61	9	36	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	10	4.5	6.5		
61	9	37	2	2	2		33	34	34	0	20	3	6	0	0	0	0	0	0	24.3	24.5	24.7	24.9	25.1	25.2	25.3	25.4	25.5	25.6			
61	9	38	2	2	2		33	34	34	0	0	0	0	0	0	62	0	0	13	29.3	29.6	29.9	30.2	30.4	30.5	30.5	30.5	30.5	30.7			
61	9	39	1	1	1		10	11	11	0	0	0	0	0	0	0	0	0	0	10	3.9	4.7	5.5	6.4	7.2	7.8	8.4	9.1	10.0			
61	9	40	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	3.7	4.5	6.0		
61	9	41	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	4.3	5.2	6.9		
61	9	42	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	3.6	4.5	6.0		
61	9	43	1	1	1		12	12	10	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	4.3	5.0	6.8		
61	9	44	1	1	1		12	12	11	0	0	0	0	0	0	0	0	0	0	10	10	10	10	10	10	10	10	4.5	5.2	6.9		
61	9	45	1	1	1		10	10	11	0	0	0	0	0	0	0	0	0	0	10	4.5	5.5	6.5	7.6	8.4	9.1	9.8	10.5	11.6			

61	9	91	1	1	1	10	10	11	0	33	0	0	0	0	34	0	0	0	4.2	5.3	6.5	7.6	8.6	9.5	10.2	10.8	11.5	12.4
61	9	92	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	4.4	5.3	6.1	7.0	7.8	8.2	8.9	9.4	10.0	
61	9	93	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	6.3	
61	9	94	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	5.9	
61	9	95	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	3.8	4.3	4.9	
61	9	96	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	3	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	6.0	
61	9	97	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	
61	9	98	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	2	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	
61	9	99	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	
61	9	100	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	5.0	
61	9	101	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	
61	9	102	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8	6.0	
61	9	103	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.5	
61	9	104	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	
61	9	105	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	5.0	5.9	
61	9	106	1	1	1	10	10	11	0	0	0	0	0	0	0	0	0	0	4.0	4.5	4.6	5.9	6.9	7.8	8.3	9.0	9.7	
61	9	107	1	1	1	10	20	21	0	0	0	0	0	0	0	0	0	0	8.0	9.2	10.6	11.7	12.7	13.5	14.0	14.8	15.6	
61	9	108	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	4.0	4.0	3.9	4.6	5.3	5.9	6.2	6.4	6.7	
61	9	109	1	1	1	10	11	21	0	0	0	0	0	0	0	0	0	0	6.1	7.3	8.7	10.0	11.0	11.7	12.4	12.7	13.3	
61	9	110	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.6	4.3	
61	9	111	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.7	4.9	
61	9	112	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.3	5.0	5.7	6.2	
61	9	113	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	
61	9	114	1	1	1	23	23	23	0	21	25	0	0	0	30	30	30	30	22.7	22.9	23.1	23.3	23.6	23.9	23.9	24.1	24.3	
61	9	115	1	1	1	24	24	24	0	21	25	0	0	0	30	30	30	30	23.0	23.1	23.2	23.3	23.4	23.4	23.4	23.4	23.5	
61	9	116	1	1	1	24	24	24	0	21	25	0	0	0	22	22	22	0	29.4	29.5	29.8	29.8	29.8	29.8	29.9	29.9	29.9	
61	9	117	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	
61	9	118	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	33	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.8	5.0	
61	9	119	1	1	1	11	10	21	0	0	0	0	0	0	34	0	0	3	7.2	8.1	9.0	9.6	10.1	11.8	12.2	13.0	13.7	
61	9	120	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.7	
61	9	121	1	1	1	12	14	13	0	0	0	0	0	0	0	0	0	0	4.0	4.2	4.6	4.8	5.0	5.2	5.2	5.4	5.8	
61	9	122	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	14	4.0	4.0	4.0	4.0	4.0	4.0	3.9	4.6	5.3	
61	9	123	1	1	1	11	14	13	0	0	0	0	0	0	0	0	0	0	4.0	3.9	4.7	5.3	5.8	6.1	6.1	6.2	6.4	
61	9	124	1	1	1	10	21	22	0	0	0	0	0	0	2	0	0	0	8.5	9.4	10.3	11.2	12.0	12.6	13.1	13.6	14.1	
61	9	125	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	5.9	6.7	7.8	8.4	9.1	9.6	10.3	10.8	11.1	
61	9	126	1	1	1	10	11	11	0	0	0	0	0	0	0	0	0	0	4.2	5.0	5.8	6.5	7.3	7.8	8.5	8.9	9.5	
61	9	127	1	1	1	10	10	21	0	0	0	0	0	0	0	0	0	0	5.7	6.7	7.8	8.8	9.8	10.6	11.2	12.0	12.7	
61	9	128	1	1	1	21	22	22	0	0	0	0	0	11	0	0	0	0	15.9	16.5	17.0	17.7	18.2	18.3	18.6	19.0	19.3	
61	9	129	1	1	1	21	21	22	0	3	0	0	0	0	30	0	0	0	24.4	25.1	26.0	26.7	27.2	27.9	28.3	29.0	29.2	
61	9	130	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.7	
61	9	131	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	
61	9	132	1	1	1	10	10	20	0	0	0	0	0	0	0	0	0	0	4.5	6.0	7.6	9.3	10.5	11.9	12.8	13.8	14.9	
61	9	133	1	1	1	10	11	11	0	0	0	0	0	0	0	0	0	0	4.9	5.7	6.6	7.4	8.2	8.9	9.5	10.1	10.9	
61	9	134	1	1	1	11	13	13	0	0	0	0	0	0	0	0	0	0	4.0	4.2	4.9	5.3	5.8	6.0	6.2	6.4	6.7	
61	9	135	1	1	1	10	12	22	0	0	0	0	0	0	0	0	0	0	7.0	7.8	8.8	9.6	10.2	10.8	11.0	11.5	11.8	
61	9	136	1	1	1	10	10	21	0	0	0	0	0	0	0	0	0	3	5.0	6.2	7.5	8.7	9.7	10.5	11.2	12.1	12.8	
61	9	137	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	4.0	4.3	4.9	5.6	6.2	6.9	7.5	8.1	9.4	
61	9	138	1	1	1	21	23	23	0	0	0	0	0	0	0	0	0	62	20.3	20.9	21.6	22.1	22.6	22.9	23.0	23.4	23.6	
61	9	139	2	2	2	32	33	32	0	65	52	3	0	0	30	0	0	0	30.3	30.7	31.0	31.6	31.9	32.2	32.3	32.4	32.8	
61	9	140	2	2	2	42	44	44	0	64	44	0	0	0	0	0	0	98	33.4	33.5	34.1	34.5	34.9	34.9	35.0	35.0	35.3	
61	9	141	2	2	2	32	33	34	0	3	0	0	0	0	30	0	0	0	42.4	42.8	43.3	43.7	44.0	44.3	44.3	44.6	44.6	
61	9	142	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	5.1	6.0	
61	9	143	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	5.0	
61	9	144	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.9	
61	9	145	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	4.0	4.2	4.8	5.4	6.0	6.6	7.2	7.8	8.5	
61	9	146	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	
61	9	147	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
61	9	148	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	
61	9	149	1	1	1	10	11	21	0	0	0	0	0	14	0	0	0	0	5.6	5.8	8.2	9.5	10.5	11.1	11.6	12.4	13.0	
61	9	150	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	14	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.6	5.3	
61	9	151	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	4.0	4.0	4.0	4.0	4.3	4.6	4.9	5.3	5.6	
61	9	152	1	1	1	10	21	22	0	0	0	0	0	0	0	0	0	0	8.2	9.4	11.0	11.9	12.9					

[illegible]

61	10	121	1	1	1	13	13	13	0	0	0	0	0	0	0	0	0	0	4.2	4.3	4.5	4.7	5.0	5.3	5.5	5.7	5.9	6.3	
61	10	122	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.3	
61	10	123	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	3.9	4.6	5.3	6.0	6.8	8.2	
61	10	124	1	1	1	10	10	11	0	0	0	0	0	0	0	0	0	0	.0	4.0	5.2	6.6	7.7	8.7	9.2	9.9	10.6	11.6	
61	10	125	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.6	
61	10	126	1	1	1	10	10	21	0	0	0	0	0	0	0	0	0	0	3.9	5.4	7.4	8.8	9.8	10.7	11.5	12.0	12.7	13.5	
61	10	127	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.3	9.3	
61	10	128	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.1	4.6	5.3	7.1	
61	10	129	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.5	
61	10	130	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	1	.0	.0	.0	.0	.0	.0	.0	4.0	4.9	6.1
61	10	131	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	4.2	5.0	5.7	6.3	7.0	7.6	8.3	9.3	
61	10	132	1	1	1	1X	10	12	0	0	0	0	0	0	0	0	0	0	3	.0	.0	4.0	4.8	5.4	6.2	7.0	7.8	8.2	8.7
61	10	133	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	4.3	5.5	6.5	7.5	7.9	8.5	9.2	10.0
61	10	134	1	1	1	1X	10	13	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	4.9	6.5	7.3	7.6	8.0
61	10	135	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	14	.0	.0	.0	.0	.0	.0	.0	3.9	4.7	6.0
61	10	136	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.3	5.0	7.6
61	10	137	1	1	1	11	12	22	0	0	14	0	0	0	0	0	0	0	0	9.0	9.6	10.4	11.0	11.5	12.0	12.3	12.6	13.0	13.5
61	10	138	1	1	1	20	21	22	0	0	0	3	0	0	0	0	0	0	0	11.2	12.3	13.7	14.6	15.6	16.3	17.0	17.6	18.1	19.0
61	10	139	1	1	1	10	11	11	0	2	0	0	0	0	0	0	0	0	0	4.9	5.7	6.6	7.2	8.1	8.8	9.5	10.0	10.7	11.6
61	10	140	1	1	1	10	13	13	0	0	0	0	0	0	0	0	0	0	52	6.2	7.0	8.1	8.8	9.3	9.6	9.8	10.0	10.3	10.7
61	10	141	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	0	.0	4.0	4.6	5.2	5.8	6.4	7.0	7.6	8.3	9.4
61	10	142	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	2	.0	.0	.0	.0	.0	.0	.0	4.2	4.9	6.3
61	10	143	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.6	4.3	5.0	6.4
61	10	144	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.1	4.8	5.4	6.0	7.2
61	10	145	1	1	1	10	10	12	0	0	0	0	0	0	0	0	0	0	0	.0	3.5	4.8	6.4	7.7	8.7	9.2	9.9	10.5	11.3
61	10	146	1	1	1	10	10	12	0	0	0	0	0	0	0	0	0	0	3	.0	3.7	5.1	6.8	8.2	8.9	9.7	10.9	11.0	12.2
61	10	147	1	1	1	1X	11	12	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	3.8	5.1	6.1	6.1	7.0	7.8	8.2
61	10	148	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.5
61	10	149	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.1	4.9	6.4
61	10	150	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	4.3	5.2	6.4	7.3	7.9	8.5	9.1	10.1
61	10	151	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	3.9	4.6	5.2	5.9	7.3	
61	10	152	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	2	.0	.0	.0	.0	.0	.0	4.2	5.0	6.5	
61	10	153	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	3.6	5.1	6.3	7.4	8.0	8.6	9.4	10.4
61	10	154	1	1	1	1X	12	13	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	3.8	4.8	5.5	5.8	6.1	6.4	6.9
61	10	155	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	4.3	5.2	6.6	7.4	8.0	8.6	9.4	10.7
61	10	156	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	5.0	5.7	6.5	8.0	
61	10	157	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	3.8	4.6	5.1	6.7	
61	10	158	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.1	7.7
61	10	159	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.7	4.9	7.4	
61	10	160	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.3
61	10	161	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.8	
61	10	162	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	3	.0	.0	.0	.0	.0	.0	4.2	5.0	5.8	7.4
61	10	163	1	1	1	10	11	11	0	0	0	0	0	0	0	0	0	0	0	.0	3.5	4.6	6.0	7.2	8.0	8.6	9.2	9.9	10.8
61	10	164	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.3	5.0	6.3	
61	10	165	1	1	1	10	10	21	0	33	0	0	0	0	0	0	0	0	0	4.8	6.5	8.4	10.1	11.5	12.5	13.3	14.1	14.7	16.0
61	10	166	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	4.7	5.3	6.0	7.2	
61	10	167	2	2	2	42	43	43	0	5	0	0	0	0	0	0	0	0	0	17.9	18.2	18.5	18.9	19.2	19.3	19.4	19.7	19.7	20.1
61	10	168	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	0	.0	3.6	4.8	5.8	6.8	7.4	7.9	8.6	9.2	10.0
61	10	169	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	0	4.6	5.6	6.8	7.8	8.6	9.2	9.6	10.2	10.7	11.3
61	10	170	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	0	.0	3.6	4.6	5.8	6.8	7.7	8.2	8.9	9.4	10.1
61	10	171	1	1	1	12	13	13	0	0	0	0	0	0	0	0	0	0	1	4.1	4.4	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.4
61	10	172	1																										

61	10	221	1	1	1	10	10	10	0	0	0	0	0	0	0	0	0	0	3.6	4.7	5.9	7.0	8.0	8.6	9.4	10.1	10.9	12.4	
61	10	222	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	3	3.6	4.5	5.6	6.5	7.2	7.6	8.0	8.5	8.9	9.5	
61	10	223	1	1	1	10	11	11	0	0	0	0	0	0	0	0	0	0	3.6	4.5	5.5	6.4	7.3	8.0	8.6	9.3	9.9	10.9	
61	10	224	1	1	1	10	10	22	0	33	33	0	0	14	0	0	2	0	5.9	6.9	8.2	9.0	9.9	10.7	11.5	12.5	12.7	13.7	
61	10	225	1	1	1	10	20	20	0	0	0	0	0	0	0	0	0	0	6.5	7.9	9.4	10.7	12.0	13.0	13.6	14.9	15.8	17.3	
61	10	226	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	3.8	4.7	5.6	6.5	7.4	8.3	9.4	11.0	
61	10	227	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	14	.0	.0	.0	.0	.0	.0	4.1	5.0	6.2	8.8	
61	10	228	2	2	2	42	42	44	0	0	0	0	0	0	0	0	0	30	26.9	27.2	27.5	27.6	28.1	28.5	28.6	29.0	29.0	29.4	
61	10	229	2	2	2	42	41	42	0	0	0	0	0	0	0	0	0	30	23.0	23.4	23.8	24.1	24.5	25.1	25.1	26.1	26.5	27.2	
61	10	230	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	14	.0	.0	.0	.0	.0	.0	.0	4.0	5.1	7.4	
61	10	231	1	1	1	10	20	21	0	0	0	0	0	0	0	0	0	0	8.7	9.8	11.0	12.2	13.1	14.2	14.9	15.8	16.5	17.8	
61	10	232	1	1	1	10	20	22	0	0	0	0	0	0	0	0	0	0	7.5	8.6	10.1	11.1	12.0	12.9	13.5	14.2	14.8	15.6	
61	10	233	1	1	1	10	20	20	0	0	33	0	0	0	0	0	0	0	7.1	8.3	9.7	11.0	11.8	12.7	13.6	14.4	15.1	16.5	
61	10	234	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	3.8	4.6	5.3	6.0	6.4	6.7	7.1	7.8	
61	10	235	1	1	1	10	10	20	0	5	0	0	0	0	0	0	0	0	4.3	5.4	6.5	7.6	8.8	9.7	10.7	12.0	13.0	14.9	
61	10	236	1	1	1	10	10	20	0	5	0	0	0	0	0	0	0	0	5.9	7.0	8.2	9.2	10.2	10.9	11.6	12.4	13.1	14.5	
61	10	237	1	1	1	10	10	20	0	5	0	0	0	0	0	0	0	0	5.6	6.9	8.5	9.8	10.9	11.8	12.9	14.1	15.0	16.3	
61	10	238	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	3.7	4.6	5.6	6.5	7.4	8.4	9.3	11.2	
61	10	239	1	1	1	22	21	22	0	33	3	0	0	0	0														

[illegible]

61	11	132	1	1	1	11	1X	1X	0	0	0	0	0	0	97	0	0	0	4.0	4.5	5.0	5.7	6.1	6.6	6.6	.0	.0	.0
61	11	133	1	1	1	10	1X	1X	0	0	0	0	0	0	97	0	0	0	5.4	6.4	7.5	8.6	9.3	9.9	9.9	.0	.0	.0
61	11	134	2	2	2	44	4X	4X	0	0	0	0	0	45	0	0	92	21.7	21.9	22.1	22.2	22.2	22.2	22.2	22.3	22.4	22.6	
61	11	135	2	2	2	44	4X	4X	0	0	9	0	0	0	92	0	0	0	28.6	28.6	28.6	28.6	28.6	28.6	28.7	.0	.0	.0
61	11	136	2	2	2	43	4X	4X	0	0	0	0	0	13	0	0	92	22.4	22.6	22.9	23.1	23.1	23.1	23.1	23.1	23.3	23.3	
61	11	137	2	2	2	34	3X	3X	0	0	9	0	0	92	0	0	0	24.8	24.8	24.8	24.8	24.8	24.8	24.8	.0	.0	.0	

TABLE 1.12:

SUB			AGE			AGE*			TREE CONDITION CODE																	D.B.H. (INCHES)						
PLOT NO.	PLOT NO.	TREE NO.	CLASS			VIGOR																										
			20	40	60	I	II	III	1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70				
61	12	1	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	3.8	4.6	6.0				
61	12	2	1	1	1	10	10	12	0	0	0	0	0	0	0	0	0	0	.0	3.6	4.6	5.9	6.7	7.5	8.0	8.9	9.3	10.2				
61	12	3	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	14	.0	.0	.0	.0	.0	.0	4.0	5.0	6.0	8.0				
61	12	4	2	2	2	32	33	33	0	20	52	0	0	0	0	0	0	0	25.2	25.6	26.1	26.6	26.9	27.2	27.4	27.6	28.0	28.3				
61	12	5	2	2	2	32	33	32	0	20	0	0	0	13	0	0	0	0	25.8	26.2	26.7	27.1	27.4	27.6	27.9	28.0	28.4	28.8				
61	12	6	2	2	2	33	34	34	0	20	0	0	0	0	0	0	30	0	23.9	24.1	24.4	24.7	24.8	25.0	25.0	25.1	25.2	25.5				
61	12	7	2	2	2	42	44	43	0	65	3	0	0	0	0	0	0	0	32.2	32.5	32.8	33.1	33.5	33.5	33.7	33.8	34.2	34.4				
61	12	8	2	2	2	32	33	34	0	0	52	0	0	0	0	0	0	0	25.1	25.4	25.7	26.0	26.2	26.3	26.4	26.6	26.8	27.0				
61	12	9	2	2	2	42	43	43	0	0	0	0	0	0	30	0	0	0	28.2	28.6	29.0	29.4	29.8	30.0	30.2	30.4	30.7	31.1				
61	12	10	2	2	2	32	33	34	0	0	0	0	0	0	30	0	0	0	26.5	26.8	27.2	27.4	27.6	27.8	27.9	28.1	28.2	28.4				
61	12	11	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	3.9	5.0	7.3				
61	12	12	1	1	1	20	22	23	0	0	0	0	0	0	0	0	0	0	21.7	22.4	23.2	24.5	24.5	25.0	25.4	25.7	26.0	26.4				
61	12	13	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	4.5	4.9	5.4	5.8	6.3	6.7	7.2	7.6	8.1	9.0				
61	12	14	2	2	2	44	44	44	0	0	0	0	0	0	0	0	0	0	31.1	31.3	31.5	31.7	31.7	32.0	32.0	32.0	32.1	32.2				
61	12	15	2	2	2	34	34	34	0	0	0	0	0	9	30	4	0	0	12.1	12.2	12.3	12.4	12.4	12.4	12.4	12.4	12.5	12.6				
61	12	16	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.7	4.5	5.2	6.8				
61	12	17	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	4.6	6.1				
61	12	18	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	4.0	4.8	5.6	6.3	7.1	7.9	8.9	10.2				
61	12	19	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	4.1	5.1	6.3	7.5	8.0	8.5	9.0	9.5	10.1	10.8				
61	12	20	1	1	1	10	21	22	0	0	0	0	0	0	0	0	0	0	9.8	10.7	11.8	12.7	13.4	14.1	14.6	15.4	15.9	16.8				
61	12	21	1	1	1	22	22	23	0	0	33	0	0	0	0	0	0	0	12.3	12.7	13.0	13.3	13.8	13.9	14.2	14.8	14.8	15.5				
61	12	22	1	1	1	22	24	23	0	0	0	0	30	0	30	0	0	0	15.1	15.5	16.0	16.2	16.8	16.8	16.9	17.0	17.3	17.7				
61	12	23	1	1	1	21	22	22	0	0	0	0	30	0	30	0	0	0	12.9	13.4	14.0	14.5	14.9	15.3	15.5	15.8	16.1	16.6				
61	12	24	1	1	1	21	22	22	0	0	0	0	0	0	0	0	0	0	13.0	13.6	14.3	14.8	15.3	15.6	16.1	16.4	16.8	17.3				
61	12	25	1	1	1	22	22	22	0	0	0	0	0	0	0	0	0	0	14.7	15.1	15.5	15.9	16.3	16.8	17.1	17.5	17.8	18.5				
61	12	26	1	1	1	20	21	21	0	0	0	0	0	0	0	0	0	0	15.6	16.5	17.5	18.5	19.3	20.0	20.6	21.4	21.9	23.0				
61	12	27	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.2	5.0	5.7	6.5	8.0					
61	12	28	1	1	1	10	10	10	0	0	0	0	0	0	0	0	0	0	4.8	5.7	6.9	8.0	9.2	10.3	11.5	12.6	13.8	16.1				
61	12	29	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	4.8	5.2	5.7	6.1	6.6	7.0	7.5	7.9	8.4	9.3				
61	12	30	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.4				
61	12	31	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.6	5.3	6.8				
61	12	32	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.2	7.5	8.2				
61	12	33	1	1	1	22	22	22	0	0	0	0	0	0	0	0	0	0	8.9	9.3	9.8	10.2	10.7	11.1	11.6	12.0	12.5	13.4				
61	12	34	1	1	1	13	13	13	0	0	0	0	0	0	0	0	0	0	6.4	6.5	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.1				
61	12	35	1	1	1	22	22	12	0	0	0	0	0	0	0	0	0	0	7.7	8.1	8.5	8.9	9.1	9.3	9.5	10.0	10.8	11.0				
61	12	36	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	9.3	9.7	10.1	10.5	10.9	11.7				
61	12	37	1	1	1	10	12	22	0	14	0	0	0	0	30	0	0	0	10.8	11.5	12.5	13.2	13.7	14.2	14.4	14.7	15.2	16.1				
61	12	38	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	0	4.6	5.0	5.5	6.1	6.3	6.7	6.9	7.1	7.4	7.8				
61	12	39	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.7	4.3	4.9	6.3				
61	12	40	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.1	4.7	6.2				
61	12	41	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	2	3.6	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.6				
61	12	42	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	0	.0	4.1	4.3	4.6	5.0	5.3	5.7	5.8	6.0	6.3				
61	12	43	1	1	1	1X	12	13	0	0	0	0	0	0	0	0	0	14	.0	.0	4.1	4.5	4.9	5.2	5.5	5.7	5.9	6.3				
61	12	44	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.6	4.3	5.1	6.6				
61	12	45	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	33	.0	.0	.0	.0	.0	.0	.0	4.0	4.7	6.2				
61	12	46	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	5.4	6.4	7.6	8.7	9.5	10.1	10.7	11.4	12.0	12.8				
61	12	47	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	3.7	4.3	5.0	5.6	6.3	6.9	7.6	8.9				
61	12	48	1	1	1	1X	13	13	0	0	0	0	0	0	0	0	0	0	.0	.0	5.7	6.0	6.3	6.6	6.9	7.0	7.2	7.5				
61	12	49	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	4	.0	.0	.0	.0	.0	.0	.0	4.0	4.5	6.0				
61	12	50	1	1	1	20	21	22	0	0	0	0	0	0	30	0	0	0	12.0	12.9	14.0	15.1	15.7	16.3	16.8	17.4	17.9	18.8				
61	12	51	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	.0	.0	4.4	6.0	7.1	8.3	9.2	10.4	11.2	12.4				
61	12	52	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	5.0	6.3				
61	12	53	1	1	1	1X	12	13	0	0	0	0	0	0	0	0	0	2	.0	.0	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.4				
61	12	54	2	2	2	43	43	43	0	0	45	9	0	0	30	0	0	0	28.3													

61	12	81	2	2	2	32	34	34	0	0	0	0	0	30	0	0	0	0	21.7	22.0	22.4	22.7	22.9	23.0	23.0	23.1	23.1	23.3
61	12	82	2	2	2	32	33	33	0	64	0	0	0	0	0	0	0	0	22.8	23.2	23.7	23.8	24.4	24.7	24.8	24.9	25.3	25.5
61	12	83	2	2	2	33	33	33	0	65	0	0	0	0	30	0	0	0	18.1	18.3	18.6	18.8	18.8	19.1	19.3	19.3	19.6	20.0
61	12	84	2	2	2	32	32	32	0	0	0	0	0	0	30	0	0	0	29.6	30.1	30.7	31.1	31.5	31.8	32.0	32.4	32.6	33.3
61	12	85	2	2	2	32	32	32	0	0	0	0	0	0	30	0	0	0	13.7	14.0	14.4	14.8	15.0	15.4	15.5	15.9	16.2	16.8
61	12	86	2	2	2	32	32	32	0	0	0	0	0	0	30	0	0	0	19.8	20.1	20.5	21.0	21.0	21.4	21.6	22.0	22.3	23.1
61	12	87	2	2	2	32	33	32	0	0	0	0	0	14	30	0	0	0	19.3	19.7	20.0	20.4	20.8	20.9	21.1	21.5	21.7	22.4
61	12	88	2	2	2	33	34	34	0	3	2	0	0	0	30	0	0	0	22.4	22.7	22.8	23.0	23.1	23.1	23.3	23.3	23.4	23.7
61	12	89	2	2	2	41	42	42	0	3	2	0	0	0	30	0	0	0	34.9	35.4	36.0	36.5	37.0	37.3	37.7	38.0	38.4	39.3
61	12	90	1	1	2	22	23	32	0	3	0	0	0	0	30	31	0	0	17.1	17.5	17.9	18.2	18.6	18.9	19.0	19.2	19.5	20.1
61	12	91	2	2	2	32	33	32	0	0	0	0	0	0	30	0	0	0	23.3	23.7	24.2	24.6	24.9	25.2	25.5	25.6	26.1	26.8
61	12	92	2	2	2	32	33	33	0	3	0	0	0	0	30	0	0	0	28.9	29.2	29.6	30.0	30.2	30.3	30.4	30.6	30.9	31.2
61	12	93	2	2	2	34	34	34	0	14	0	0	0	0	0	4	0	0	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.8	8.8	9.0
61	12	94	1	1	1	10	10	21	0	0	0	0	0	0	0	0	0	0	5.2	6.5	8.0	9.4	10.3	11.3	12.0	12.9	13.6	14.5
61	12	95	1	1	1	10	11	21	0	0	33	0	0	0	30	0	0	0	5.7	6.8	8.3	9.4	10.2	10.9	11.5	12.2	12.9	13.7
61	12	96	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	0	6.0	6.3	6.6	7.0	7.4	7.8	8.0	8.2	8.4	8.7
61	12	97	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	3.8	4.4	5.2	6.0	7.5
61	12	98	1	1	1	11	12	13	0	33	0	0	0	0	30	0	0	0	5.4	5.9	6.7	7.3	7.5	7.8	8.0	8.4	8.5	9.0
61	12	99	1	1																								

PLOT NO.	SUB PLOT NO.	TREE NO.	AGE CLASS			AGE=VIGOR			TREE CONDITION CODE																	D.B.H. (INCHES)										
			20	40	60	I	II	III	1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70								
61	13	1	2	2	2	33	33	34	0	0	0	0	0	0	0	0	0	0	29.3	29.5	29.9	30.0	30.2	30.4	30.5	30.7	30.7	30.8								
61	13	2	2	2	2	22	23	24	0	0	0	0	0	0	0	0	0	0	18.2	18.5	19.2	19.4	19.8	19.9	20.1	20.3	20.4	20.6								
61	13	3	1	1	1	12	13	13	0	0	9	0	0	33	0	0	0	0	8.7	9.0	9.4	9.6	9.9	10.1	10.2	10.4	10.7	10.9								
61	13	4	2	2	2	23	24	23	0	0	9	0	0	0	0	0	0	0	15.7	15.9	16.1	16.3	16.4	16.5	16.5	16.7	16.9	17.2								
61	13	5	2	2	2	20	22	33	0	0	0	0	0	0	0	0	0	0	13.8	15.4	19.8	20.2	20.3	20.7	20.8	21.1	21.5	21.7								
61	13	6	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	4.2	5.0	5.8	6.6	7.4	8.2	9.8								
61	13	7	1	1	2	10	11	22	0	33	3	0	0	0	0	0	0	0	7.7	8.4	9.6	10.0	10.6	11.1	11.6	12.5	13.1	13.5								
61	13	8	1	1	1	1X	1X	11	0	.0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.5	5.0	5.5	6.5								
61	13	9	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	4.0	4.6	5.2	5.9	6.4	6.9	7.9								
61	13	10	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	2	2	.0	.0	.0	.0	.0	3.9	4.4	5.0	5.4	6.4								
61	13	11	2	2	2	32	31	32	0	0	0	0	0	0	30	0	0	0	25.0	25.5	26.0	26.4	26.9	27.5	27.9	28.6	28.9	29.9								
61	13	12	2	2	2	33	34	34	0	0	0	0	0	0	30	0	0	0	30.6	30.8	31.0	31.2	31.5	31.5	31.8	31.8	31.9	32.1								
61	13	13	2	2	2	42	42	42	0	0	0	0	0	0	30	0	0	0	29.2	29.5	29.8	30.1	30.4	30.8	31.0	31.4	31.8	32.5								
61	13	14	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.6	5.4	5.8	6.3	7.3								
61	13	15	2	2	2	22	23	33	0	0	30	0	0	30	30	9	0	0	14.9	15.2	15.5	15.8	16.0	16.2	16.3	16.5	16.8	17.0								
61	13	16	2	2	2	21	22	22	0	0	52	0	0	3	30	30	30	0	17.8	18.3	18.9	19.4	19.9	20.3	20.8	21.1	21.5	22.5								
61	13	17	2	2	2	22	23	23	0	0	0	0	0	0	30	0	30	30	13.4	13.7	14.1	14.3	14.6	14.8	15.0	15.1	15.3	15.8								
61	13	18	2	2	2	21	21	22	0	0	0	0	0	0	30	0	30	0	16.5	17.1	17.8	18.4	19.0	19.6	20.1	20.6	21.0	21.9								
61	13	19	2	2	2	22	22	22	0	0	0	0	0	0	30	0	0	0	16.9	17.3	17.8	18.3	18.6	19.0	19.3	19.7	20.1	20.8								
61	13	20	2	2	2	22	23	23	0	0	0	0	0	0	30	0	0	0	17.7	18.1	18.6	19.0	19.4	19.8	19.9	20.0	20.3	20.5								
61	13	21	1	1	1	1X	1X	1X	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0								
61	13	22	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.5	5.0	6.0								
61	13	23	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	.0	.0	4.2	5.2	6.4	7.3	8.2	9.2	10.1	11.5								
61	13	24	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.2	4.6	5.0	6.0								
61	13	25	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	5.4	5.8	6.3	6.7	7.1	7.6	8.0	8.4	8.9	9.7								
61	13	26	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	4.7	5.3	5.8	6.3	7.3								
61	13	27	1	1	1	1X	12	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	4.5	4.8	5.3	5.9	6.9								
61	13	28	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.6	5.1	6.0								
61	13	29	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	.0	.0	4.2	5.1	6.2	7.1	7.7	8.4	9.2	10.4								
61	13	30	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	.0	.0	3.6	4.6	5.8	6.7	7.6	8.5	9.0	10.2								
61	13	31	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	4.2	4.5	4.8	5.2	5.5	6.0	6.7								
61	13	32	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.3	4.7	5.2	6.1								
61	13	33	2	2	2	33	33	32	0	64	0	0	0	0	30	0	0	0	25.4	25.8	26.2	26.5	26.5	27.0	27.2	27.5	28.1									
61	13	34	2	2	2	32	33	33	0	0	52	0	0	0	30	0	0	0	22.4	22.7	23.1	23.3	23.6	23.8	23.9	24.1	24.3	24.6								
61	13	35	2	2	2	34	34	34	0	0	0	0	31	0	30	0	0	0	15.2	15.2	15.2	15.3	15.3	15.4	15.6	15.6	15.6	15.6								
61	13	36	2	2	2	34	34	34	0	0	0	0	31	0	30	0	0	0	11.1	11.3	11.5	11.6	11.6	11.8	11.8	12.0	12.1	12.2								
61	13	37	2	2	2	24	24	24	0	20	0	0	32	30	30	30	0	0	18.6	18.7	18.9	18.9	18.9	19.1	19.1	19.1	19.2	19.2								
61	13	38	2	2	2	32	32	32	0	65	52	0	0	0	0	0	0	0	32.8	33.3	33.8	34.3	34.7	35.4	35.7	36.1	36.5	37.3								
61	13	39	2	2	2	32	33	34	0	65	0	0	0	0	30	30	0	0	21.7	22.1	22.3	22.5	23.2	23.2	23.4	23.6	23.7	23.9								
61	13	40	3	2	2	32	33	33	0	0	0	0	0	0	30	0	0	0	24.0	24.3	24.6	25.2	25.3	25.5	25.7	25.9	26.1	26.4								

61	13	41	2	2	2	32	33	33	0	0	0	0	0	0	0	0	0	0	0	24.1	24.4	24.7	25.0	25.2	25.4	25.7	25.9	26.1	26.5
61	13	42	2	2	2	33	33	33	0	0	0	0	0	0	0	0	0	0	0	21.3	21.5	21.7	21.9	22.1	22.2	22.6	22.8	23.1	23.4
61	13	43	2	2	2	43	44	44	0	0	0	0	0	0	0	0	0	0	30	29.1	29.3	29.5	29.6	29.8	29.8	30.0	30.1	30.1	30.5
61	13	44	2	2	2	33	33	33	0	0	0	0	0	0	0	0	0	0	0	23.4	23.6	23.9	24.1	24.3	24.6	24.7	24.8	25.0	25.3
61	13	45	2	2	2	34	33	33	0	0	0	0	0	0	0	30	0	0	0	14.9	15.0	15.0	15.3	15.4	15.6	15.7	15.9	16.1	16.4
61	13	46	2	2	2	32	32	33	0	0	0	0	0	0	0	30	0	0	0	28.0	28.4	28.8	29.2	29.7	30.0	30.2	30.6	30.9	31.3
61	13	47	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.7	4.3	5.0	6.2
61	13	48	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.1	4.6	5.0	5.4	6.6
61	13	49	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	.0	4.2	4.6	5.0	5.4	5.8	6.3	6.6	6.9	7.5
61	13	50	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	0	.0	4.2	4.8	5.5	6.2	6.8	7.5	8.2	9.0	10.2
61	13	51	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	3.9	4.3	4.6	5.0	5.4	5.9	6.4
61	13	52	1	1	2	10	10	21	0	0	0	0	0	0	0	0	0	0	0	3.9	5.0	6.2	7.3	8.3	9.0	10.0	10.9	11.7	12.9
61	13	53	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	4.0	4.3	4.6	5.0	5.4	5.8	6.4
61	13	54	1	1	1	1X	12	13	0	0	0	0	0	0	0	0	0	0	0	.0	.0	3.8	4.1	4.4	4.7	5.1	5.3	5.7	6.0
61	13	55	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	0	73	4.1	4.3	4.6	5.2	5.5	5.7	6.0	6.3	6.6	7.0
61	13	56	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	4.1	4.8	5.5	6.2	6.9	7.6	8.6	9.7
61	13	57	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	4.3	4.7	5.2	5.5	6.2
61	13	58	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.5	5.0	6.2
61	13	59	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	4.4	5.0	5.4	5.8	6.4
61	13	60	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	35	5.3	5.7	6.0	6.4	6.8	7.1	7.5	7.9	8.5	9.0
61	13	61	1	1	1	1X	11	12	0	0	0	0	0	0	33	33	34	35	.0	.0	.0	3.8	4.3	4.9	5.5	5.8	6.3	7.1	
61	13	62	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	0	0	.0	4.2	4.6	5.0	5.4	5.7	5.9	6.2	6.3	6.6
61	13	63	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	0	5.9	6.7	7.6	8.5	9.2	9.8	10.4	11.0	11.4	11.9
61	13	64	1	1	1	1X	12	12	0	0	0	0	0	0	33	33	33	34	35	.0	.0	.0	3.8	4.2	4.5	4.7	5.3	5.7	6.1
61	13	65	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.4
61	13	66	1	2	2	20	21	22	0	0	0	0	0	0	0	0	0	0	52	11.2	12.1	13.2	14.2	14.7	15.6	16.1	16.7	17.3	18.0
61	13	67	1	1	1	11	11	13	0	0	0	0	0	0	0	0	0	0	0	4.7	5.6	6.5	7.3	7.3	8.2	8.5	8.9	9.2	9.5
61	13	68	1	1	2	11	13	24	0	33	0	0	0	0	0	0	0	0	9	8.6	9.2	10.3	10.8	11.1	11.3	11.7	11.8	12.0	12.1
61	13	69	1	1	1	11	11	12	0	0	0	0	0	0	0	0	0	0	0	6.3	6.5	7.5	8.1	8.6	9.1	9.5	10.1	10.4	11.0
61	13	70	1	1	1	11	12	13	0	0	0	0	0	0	0	0	0	0	0	5.5	6.0	6.8	7.3	7.5	7.9	8.0	8.4	8.5	8.8
61	13	71	1	1	1	13	14	14	0	0	0	0	0	0	0	0	0	0	0	4.6	4.7	4.9	5.1	5.3	5.4	5.5	5.6	5.7	6.0
61	13	72	1	1	1	11	13	14	0	0	0	0	0	0	0	0	0	0	0	3.9	4.4	4.9	5.1	5.9	6.3	6.5	6.6	6.7	6.9
61	13	73	1	1	1	11	12	13	0	0	0	0	0	0	0	0	0	0	0	5.2	5.8	6.5	7.0	7.5	7.8	8.0	8.4	8.7	8.9
61	30	74	1	1	1	11	11	13	0	0	0	0	0	0	0	0	0	0	1	4.6	5.2	5.8	6.3	7.0	7.4	7.9	8.5	8.9	9.0
61	13	75	1	1	1	11	12	12	0	0	33	0	0	0	0	0	0	0	0	6.7	7.3	8.1	8.7	9.2	9.9	10.1	10.5	10.9	11.6
61	13	76	1	1	1	13	14	14	0	0	0	0	0	0	0	0	0	0	0	4.6	4.8	5.1	5.2	5.3	5.5	5.6	5.7	5.8	6.0
61	13	77	1	1	1	12	13	14	0	0	0	0	0	0	0	0	0	0	0	4.9	5.2	5.6	5.9	6.1	6.4	6.5	6.6	6.9	6.9
61	13	78	1	1	1	12	13	14	0	33	0	0	0	0	0	0	0	0	0	7.7	8.1	8.7	9.1	9.4	9.7	9.8	10.1	10.1	10.2
61	13	79	1	1	1	12	13	13	0	0	0	0	0	0	0	0	0	0	0	5.6	6.0	6.5	6.8	7.2	7.4	7.6	7.9	8.2	8.5
61	13	80	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.3	8.8
61	13	81	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	0	0	6.1	6.6	7.2	7.6	8.2	8.6	8.9	9.2	9.6	10.3
61	13	82	1	1	1	11	13	12	0	0	0	0	0	0	0	0	0	0	0	4.1	4.6	5.2	5.7	6.1	6.4	6.7	6.9	7.2	7.7
61	13	83	1	1	1	12	13	13	0	0	0	0	0	0	0	0	0	0	0	6.6	6.9	7.4	7.7	7.9	8.1	8.2	8.4	8.6	8.9
61	13	84	1	1	1	12	14	14	0	0	0	0	0	0	0	0	0	0	0	6.8	7.1	7.6	7.8	8.1	8.2	8.3	8.5	8.6	8.8
61	13	85	1	1	1	11	12	13	0	0	0	0	0	0	0	0	0	0	3	8.2	8.7	9.5	9.9	10.3	10.6	11.0	11.2	11.4	11.7
61	13	86	1	1	2	11	11	21	0	3	0	0	0	0	0	0	0	0	0	7.9	8.6	9.5	10.2	10.7	11.2	11.7	12.3	12.9	13.8
61	13	87	1	1	1	11	13	13	0	0	0	0	0	0	0	0	0	0	0	3.7	4.2	4.9	5.4	5.7	6.0	6.2	6.4	6.6	7.0
61	13	88	1	1	2	11	11	22	0	0	0	0	0	0	0	0	0	0	0	7.8	8.4	9.2	9.4	10.3	10.9	11.3	12.0	12.6	12.8
61	13	89	1	1	1	13	14	14	0	33	0	0	0	0	0	0	0	0	3	8.4	8.6	8.9	9.1	9.3	9.4	9.5	9.6	9.6	9.7
61	13	90	1	1	1	11	12	13	0	0	0	0	0	0	0	0	0	0	0	6.3	6.9	7.6	8.3	8.8	9.2	9.7	10.1	10.5	10.8
61	13	91	1	1	1	13	13	14	0	0	0	0	0	0	0	0	0	0	0	4.5	4.7	4.9	5.1	5.3	5.5	5.6	5.8	5.9	6.1
61	13	92	1	1	2	10	11	12	0	0	0	0	0	0	0	0	0	0	0	7.6	8.8	9.9	10.8	11.4	12.1	12.6	13.3	14.0	14.7
61	13	93	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	0	0	5.0	5.6	6.5	7.0	7.5	7.9	8.2	8.6	9.0	9.7
61	13	94	1	1	1	13	13	13	0	0	0	0	0	0	0	0	0	0	0	5.9	6.1	6.6	6.8	6.8	6.9	7.1	7.3	7.5	7.8
61	13	95	1	1	1	12	13	14	0	0	0	0	0	0	0	0	0	0	0	.0	3.9	4.4	4.7	5.2	5.3	5.4	5.6	5.7	6.0
61	13	96	1	1	1	12	12	12	0	33	0	0	0	0	0	0	0	0	2	6.0	6.5	6.9	7.5	7.9	8.3	8.6	9.1	9.4	10.0
61	13	97	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.3	8.9
61	13	98	1	1	1	11	12	13	0	0	0	0	0	0	0	0	0	0	0	5.4	6.0	6.7	7.4	7.9	8.3	8.7	9.1	9.3	9.8
61	13	99	1	1	1	10	12	11																					

[illegible]

61	16	21	0	1	1	44	1X	11	0	0	0	0	0	0	0	0	0	14	14	.0	.0	.0	.0	.0	.0	4.3	5.0	5.7	6.9
61	16	22	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.1	4.7	5.3	6.0	7.0
61	16	23	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.2	4.8	5.5	6.5	8.0
61	16	24	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.3	4.9	5.4	5.9	6.4	7.4
61	16	25	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	33	33	33	.0	.0	.0	.0	.0	3.9	4.4	4.8	5.2	6.2
61	16	26	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	14	.0	.0	.0	.0	.0	4.2	5.0	5.8	6.9	
61	16	27	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	33	33	.0	.0	.0	.0	.0	4.2	4.8	6.1		
61	16	28	1	1	1	10	10	21	0	0	0	0	0	0	0	0	0	0	0	4.0	4.7	6.4	8.0	9.4	10.5	11.3	12.2	13.0	14.2
61	16	29	1	1	1	1X	11	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	4.7	5.2	6.0	6.9	8.2
61	16	30	1	1	1	11	11	11	0	0	0	0	0	0	0	0	0	0	0	4.1	4.6	5.1	5.6	6.1	6.6	7.1	7.6	8.1	9.1
61	16	31	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8.2	9.0
61	16	32	1	1	1	12	13	12	0	0	0	0	0	0	0	0	0	0	0	3.8	4.0	4.2	4.6	5.0	5.2	5.4	5.6	6.3	7.0
61	16	33	1	1	1	10	11	12	0	35	2	14	0	0	0	0	0	0	0	4.4	5.2	5.7	6.7	7.6	8.2	8.6	9.3	9.9	10.6
61	16	34	1	1	1	10	12	12	0	0	0	0	0	0	0	0	0	0	0	5.2	5.9	6.4	7.4	8.0	8.4	8.6	8.8	9.2	9.7
61	16	35	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.0	8.7
61	16	36	1	1	1	10	11	12	0	9	2	0	0	0	0	0	0	0	11	5.7	6.5	7.3	8.1	9.0	9.4	10.0	10.7	11.1	11.6
61	16	37	1	1	1	13	12	12	0	0	0	0	0	0	0	0	0	0	0	4.0	4.6	4.9	5.2	5.4	5.6	5.8	6.2	6.5	7.0
61	16	38	1	1	1	11	12	13	0	0	52	0	0	0	0	0	0	0	0	5.4	6.1	6.9	7.5	8.1	8.5	8.7	9.1	9.4	9.7
61	16	39	1	1	1	12	14	14	0	0	0	0	0	0	0	0	0	0	0	4.7	5.0	5.5	5.7	5.8	6.0	6.1	6.2	6.3	6.5
61	16	40	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	5.5	5.8	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.5
61	16	41	1	2	2	11	21	22	0	0	0	0	0	0	0	0	0	0	0	9.6	10.2	10.9	11.7	12.1	12.8	13.2	13.7	14.2	14.5
61	16	42	1	1	1	11	11	12	0	0	0	0	0	0	0	0	0	0	0	4.2	4.7	5.3	5.8	6.4	6.9	7.5	8.0	8.5	9.1
61	16	43	1	1	1	12	13	13	0	0	0	0	0	0	0	0	0	0	35	.0	3.8	4.2	4.7	5.2	5.5	5.7	5.9	6.1	6.5
61	16	44	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	3.9	4.3	4.5	4.8	5.1	5.4	6.0
61	16	45	1	1	1	13	14	14	0	0	0	0	0	0	0	0	0	0	0	5.2	5.4	5.7	5.9	6.0	6.1	6.1	6.1	6.1	6.2
61	16	46	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	0	0	4.9	5.6	6.2	7.0	7.6	8.0	8.4	8.8	9.1	9.6
61	16	47	1	1	1	11	12	14	0	0	0	0	0	0	0	0	0	0	0	3.8	4.1	4.8	5.5	6.0	6.5	7.0	7.2	7.4	7.5
61	16	48	1	1	1	11	14	14	0	0	0	0	0	0	0	0	0	0	0	5.0	5.4	6.1	6.5	7.0	7.3	7.3	7.3	7.4	7.5
61	16	49	1	1	1	12	12	12	0	0	0	0	0	0	0	0	0	0	0	4.2	5.1	5.5	5.8	6.2	6.5	6.9	7.2	7.6	8.3
61	16	50	1	1	1	11	12	12	0	0	0	0	0	0	0	0	0	0	0	4.7	5.3	6.0	6.5	7.1	7.5	8.5	8.2	8.7	9.5
61	16	51	1	1	1	11	12	13	0	0	0	0	0	0	0	0	0	0	4	.0	3.8	4.6	5.2	5.8	6.2	6.4	6.6	6.9	7.3
61	16	52	1	1	1	1X	1X	12	0	0	0	0	0	0	0	33	33	35	.0	.0	.0	.0	.0	3.8	4.2	5.0	5.2	6.0	
61	16	53	2	2	2	44	43	42	0	64	0	0	0	0	0	13	0	14	39.1	39.2	39.4	39.4	39.4	39.8	39.6	39.9	39.9	40.8	
61	16	54	1	1	1	12	14	13	0	0	0	0	0	0	0	0	0	0	0	.0	4.0	4.2	4.6	5.0	5.2	5.2	5.4	5.6	6.0
61	16	55	1	1	1	13	14	13	0	0	0	0	0	0	0	0	0	0	0	4.0	4.6	4.9	5.0	5.1	5.2	5.3	5.5	5.7	6.2
61	16	56	1	1	1	11	11	12	0	0	0	0	0	0	0	0	0	0	0	.0	4.1	4.8	5.5	6.0	6.5	7.0	7.5	8.0	8.8
61	16	57	2	2	2	43	43	43	0	65	52	0	0	0	30	0	0	30	38.5	38.7	39.0	39.2	39.4	39.7	39.8	39.9	40.0	40.4	
61	16	58	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	3.9	4.8	5.8	6.8	7.8	9.8
61	16	59	2	2	2	43	44	44	0	0	0	0	0	0	62	0	0	52	31.9	32.1	32.3	32.5	32.7	32.8	32.8	32.8	32.8	32.8	
61	16	60	1	1	1	1X	10	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	3.7	4.6	5.6	6.6	7.6	9.6
61	16	61	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	14	.0	.0	.0	.0	.0	.0	3.7	4.3	5.2	6.2
61	16	62	1	1	1	10	11	11	0	0	0	0	0	0	0	0	0	0	0	3.5	4.6	5.8	6.8	7.8	8.6	9.2	9.9	10.5	11.4
61	16	63	1	1	2	10	10	20	0	14	0	0	0	0	0	0	0	0	0	4.1	5.4	6.8	8.2	9.4	10.2	10.9	11.9	12.7	14.0
61	16	64	1	1	1	10	11	12	0	33	0	0	0	0	0	0	0	0	0	5.3	6.1	6.9	7.7	8.5	9.1	9.6	10.1	10.7	11.4
61	16	65	1	2	2	10	21	22	0	33	0	0	0	0	0	0	30	0	0	8.7	9.5	10.4	11.1	11.8	12.7	13.1	13.9	14.3	15.2
61	16	66	1	1	1	10	11	12	0	0	0	0	0	0	0	0	0	0	0	5.1	5.9	6.8	7.5	8.2	8.8	9.2	9.7	10.2	10.8
61	16	67	1	1	1	1X	10	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	3.6	4.3	5.0	5.8	6.3	7.3
61	16	68	2	2	2	21	22	22	0	0	0	0	0	0	0	0	0	0	0	22.0	22.5	22.9	23.5	24.0	24.5	24.9	25.3	25.7	26.5
61	16	69	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.1	5.0	5.9	7.7
61	16	70	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.2	5.0	5.8	6.5	7.8
61	16	71	1	1																									

[illegible]

61	16	221	1	1	1	12	1X	1X	0	11	0	0	99	0	0	0	0	0	5.2	5.7	6.3	6.7	6.7	.0	.0	.0	.0	.0
61	16	222	2	2	2	34	34	34	0	0	0	0	0	0	30	0	0	92	13.5	13.6	13.7	13.8	13.9	13.9	13.9	13.9	14.0	
61	16	223	2	2	2	34	3X	3X	0	9	52	0	92	0	0	0	0	0	12.4	12.4	12.4	12.4	12.4	.0	.0	.0	.0	
61	16	224	1	1	1	1X	10	1X	0	0	0	0	0	0	0	0	91	0	.0	.0	3.6	4.2	5.3	6.2	7.0	7.8	7.8	.0

TABLE 1.16:

SUB			AGE			AGE=			TREE CONDITION CODE														O.B.H. (INCHES)									
PLOT NO.	PLOT NO.	TREE NO.	20	40	60	I	II	III	1920	25	30	35	40	45	50	55	60	70	1920	25	30	35	40	45	50	55	60	70				
61	27	1	2	2	2	32	32	42	0	0	0	0	0	0	0	0	0	41	21.7	22.2	22.6	23.0	23.0	23.6	23.7	24.0	24.2	24.8				
61	27	2	2	2	2	33	34	44	0	0	0	0	0	0	0	0	0	41	21.0	21.2	21.2	21.4	21.6	21.9	21.9	22.0	22.1	22.3				
61	27	3	2	2	2	32	34	43	0	0	0	0	0	13	0	0	0	41	17.5	18.1	18.5	18.9	19.3	19.4	19.6	19.7	19.8	20.1				
61	27	4	2	2	2	32	33	43	0	0	0	0	0	14	0	0	0	41	15.3	15.9	16.2	16.6	16.8	17.0	17.2	17.4	17.6	18.1				
61	27	5	2	2	2	32	33	43	9	0	0	0	0	0	0	0	0	41	22.7	23.2	23.6	24.0	24.3	24.6	24.7	24.9	25.0	25.6				
61	27	6	2	2	2	33	33	44	0	0	61	0	0	0	0	0	0	41	32.3	32.7	32.9	33.1	33.3	33.5	33.6	33.8	33.9	34.2				
61	27	7	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.5	5.0	5.7	6.2				
61	27	8	1	1	1	1X	10	20	0	0	0	0	0	0	0	0	0	0	.0	.0	4.0	5.0	6.5	7.8	8.8	10.0	10.9	12.6				
61	27	9	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	4.7	6.2				
61	27	10	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	4.0	5.2	6.0	6.5	7.0	7.5	8.8				
61	27	11	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	3	.0	.0	.0	.0	4.2	4.7	5.3	6.0	6.6	8.0				
61	27	12	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.1	4.5	5.0	5.4	6.6				
61	27	13	1	1	2	20	21	31	0	0	0	0	0	0	0	0	0	41	17.1	18.2	19.0	19.8	20.7	21.4	22.1	22.6	23.1	24.2				
61	27	14	1	1	2	22	22	33	0	3	0	0	0	14	0	0	0	2	14.4	14.7	15.0	15.5	15.9	16.3	16.7	16.8	17.1	17.3				
61	27	15	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.0	4.5	5.0	6.6				
61	27	16	2	2	2	33	34	44	0	3	52	0	0	0	0	0	0	93	28.5	28.9	29.1	29.3	29.4	29.5	29.5	29.6	29.7	29.7				
61	27	17	1	1	2	20	22	32	0	3	0	0	0	0	0	0	0	41	21.0	22.0	22.8	23.6	24.2	24.8	25.3	25.6	26.2	26.7				
61	27	18	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.0	4.5	6.0				
61	27	19	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.1	4.6	6.0				
61	27	20	1	1	2	22	22	33	0	0	0	0	0	0	0	0	0	41	24.8	25.4	25.8	26.2	26.6	27.1	27.4	27.8	28.0	28.4				
61	27	21	1	1	2	22	22	33	0	0	0	0	0	0	0	0	0	41	12.5	13.2	13.9	14.1	14.5	14.8	15.4	15.6	15.9	16.1				
61	27	22	1	1	2	20	21	31	0	74	0	0	0	0	0	0	0	0	21.5	22.7	23.9	24.6	25.5	26.5	26.9	27.4	27.9	29.0				
61	27	23	1	1	1	1X	11	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	4.6	5.2	5.6	6.0	7.8				
61	27	24	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	3.6	4.3	4.7	5.3	6.8				
61	27	25	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	2	.0	.0	.0	.0	4.1	4.4	4.6	5.0	5.3	6.2				
61	27	26	1	1	2	21	21	32	0	3	0	0	0	0	0	0	0	41	15.3	16.4	17.2	17.9	18.4	19.0	19.5	19.9	20.2	20.8				
61	27	27	1	1	1	21	22	32	0	0	0	0	0	0	0	0	0	41	18.0	18.8	19.6	20.3	20.9	21.5	21.5	21.9	22.5	22.7				
61	27	28	1	1	1	10	11	11	0	0	0	0	0	0	0	0	0	0	.0	4.0	4.8	5.9	6.7	7.4	7.9	8.7	9.4	10.4				
61	27	29	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.6	5.1	5.8	7.2				
61	27	30	1	1	2	21	22	32	0	0	0	0	0	0	0	0	0	40	16.6	17.4	18.4	18.8	19.4	20.0	20.2	20.7	21.2	21.7				
61	27	31	1	1	2	21	22	32	0	3	0	0	0	14	0	0	0	41	23.1	23.8	24.5	25.0	25.5	26.2	26.5	26.8	27.3	27.9				
61	27	32	1	1	1	11	11	12	0	0	0	0	0	0	0	0	0	0	4.3	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.4	9.2				
61	27	33	1	1	2	20	22	31	0	0	0	0	0	0	0	0	0	41	20.8	22.0	22.9	23.8	24.7	25.3	25.7	25.9	26.5	27.5				
61	27	34	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.2	4.7	6.2				
61	27	35	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.6	4.3	4.8	6.3				
61	27	36	2	2	2	32	32	32	0	3	31	31	0	30	30	30	32	32	24.2	24.8	25.2	25.7	26.2	26.7	26.9	27.3	27.6	28.1				
61	27	37	2	2	2	43	44	44	0	3	52	30	30	31	31	31	32	32	31.6	31.8	32.0	32.3	32.4	32.4	32.5	32.5	32.5	32.5				
61	27	38	2	2	2	31	32	32	0	0	0	40	0	40	30	31	41	41	24.8	25.6	26.3	26.8	27.5	28.0	28.4	28.8	29.0	29.8				
61	27	39	2	2	2	32	34	34	0	0	0	40	0	3	40	30	41	41	24.9	25.2	25.5	25.6	26.0	26.2	26.2	26.2	26.2	26.4				
61	27	40	2	2	2	34	33	33	0	74	0	0	0	0	0	64	0	10	8.3	8.5	8.5	8.6	8.9	9.0	9.1	9.3	9.6	10.0				
61	27	41	1	1	1	12	12	13	0	0	0	0	0	0	0	0	0	2	7.9	8.4	8.8	9.1	9.5	9.9	10.1	10.5	10.7	11.1				
61	27	42	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	4.0	4.6	5.2	5.9	7.4				
61	27	43	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	4.3	4.7	5.0	5.6	6.4				
61	27	44	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.1	4.4	4.8	5.1	5.5	6.0				
61	27	45	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.0	4.6	5.3	5.7	6.1	7.3				
61	27	46	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	4.0	5.2	6.1	6.6	7.1	7.6	8.7				
61	27	47	1	1	1	1X	11	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	3.9	4.3	4.9	5.4	6.0	6.8				
61	27	48	1	1	1	1X	12	12	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	4.2	4.7	5.2	5.5	5.8	6.5				
61	27	49	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	4.2	4.6	5.4	7.0				
61	27	50	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	3.7	4.2	4.7	6.4				
61	27	51	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	4.1	4.7	6.2				
61	27	52	1	1	1	1X	10	12	0	0	0	0	0	0	0	0	0	2	.0	.0	4.0	4.5	5.5	7.9	7.9	8.0	8.8					
61	27</																															

61	27	81	1	1	1	20	20	21	0	0	0	0	0	0	0	0	0	40	41
61	27	82	1	1	1	21	22	22	0	0	0	0	0	0	0	0	0	40	41
61	27	83	1	1	1	20	21	22	0	0	0	0	0	0	0	0	0	40	41
61	27	84	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	0
61	27	85	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0
61	27	86	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	0
61	27	87	1	1	1	1X	1X	10	0	0	0	0	0	0	0	0	0	0	0
61	27	88	1	1	1	21	22	22	0	0	0	0	0	0	0	0	0	0	0
61	27	89	1	1	2	21	21	32	0	0	0	0	0	0	0	0	0	0	40
61	27	90	1	1	2	21	21	31	65	46	0	0	0	0	30	0	0	0	40
61	27	91	1	1	2	22	23	34	0	0	0	0	0	0	0	0	0	0	41
61	27	92	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0
61	27	93	1	1	1	1X	11	10	0	0	0	0	0	0	0	0	0	0	0
61	27	94	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	0
61	27	95	1	1	1	1X	1X	11	0	0	0	0	0	0	0	0	0	0	2
61	27	96	1	1	1	1X	11	11	0	0	0	0	0	0	0	0	0	0	0
61	27	97	1	1	1	1X	1X	12	0	0	0	0	0	0	0	0	0	0	0
61	27	98	2	2	2	20	22	24	0	0	0	0	0	3	0	0	0	0	95
61	27	99	1	0	0	2X	44	44	0	0	0	0	0	0	0	0	0	0	0
61	27	100	2	2	0	33	3X	44	0	0	0	2	0	64	0	0	0	0	0
61	27	101	2	0	0	4X	44	44	0	0	0	0	0	0	0	0	0	0	0
61	27	102	2	2	2	44	44	44	24	24	24	24	24	24	24	24	24	24	94
61	27	103	2	2	2	4X	4X	4X	24	24	92	0	0	0	0	0	0	0	0
61	27	104	1	1	1	12	1X	1X	46	46	46	46	46	0	0	0	0	0	0
61	27	105	2	2	2	44	4X	4X	76	0	0	0	0	0	90	0	0	0	0
61	27	106	2	2	2	4X	4X	4X	91	0	0	0	0	0	0	0	0	0	0
61	27	107	2	2	2	43	44	4X	23	23	23	24	24	24	24	24	24	94	0

16.5	17.6	18.7	19.8	20.6	21.4	22.0	22.8	23.5	24.3
12.7	13.5	14.2	14.6	15.1	15.5	15.7	16.1	16.5	17.0
15.6	15.7	16.5	17.1	18.0	18.5	19.1	19.8	20.4	21.2
.0	.0	.0	4.2	4.7	5.3	5.7	6.3	7.0	8.4
.0	.0	.0	.0	.0	.0	4.1	4.6	5.0	6.7
.0	.0	.0	.0	4.0	4.6	5.1	5.6	6.2	7.7
.0	.0	.0	.0	.0	.0	.0	3.8	4.5	6.0
10.3	11.0	11.6	12.2	12.8	13.4	13.7	14.2	14.7	15.4
25.1	26.1	26.9	27.5	28.2	28.8	29.3	29.7	30.4	31.0
19.4	20.1	20.7	21.6	21.9	22.6	22.8	23.4	23.9	25.1
24.9	25.4	25.9	26.0	26.7	26.9	27.1	27.3	27.6	27.7
.0	.0	.0	.0	.0	.0	3.8	4.3	5.0	6.4
.0	.0	.0	.0	4.2	4.7	5.3	6.0	6.7	8.1
.0	.0	.0	.0	.0	.0	4.1	4.7	5.3	6.7
.0	.0	.0	.0	.0	4.0	4.6	5.2	5.8	7.1
.0	.0	.0	4.2	4.6	5.2	5.9	6.4	7.0	8.3
.0	.0	.0	.0	.0	4.0	4.3	4.7	5.1	6.0
14.7	15.0	16.2	17.0	17.7	18.5	18.6	18.9	19.0	19.0
11.4	11.5	11.5	.0	.0	.0	.0	.0	.0	.0
25.3	25.7	26.1	26.2	26.4	26.5	26.5	.0	.0	.0
33.1	33.3	33.3	33.3	.0	.0	.0	.0	.0	.0
30.6	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
30.1	30.1	30.1	.0	.0	.0	.0	.0	.0	.0
10.1	11.0	11.4	11.8	12.0	.0	.0	.0	.0	.0
38.8	39.1	39.2	39.4	39.5	39.5	.0	.0	.0	.0
32.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
22.8	23.0	23.2	23.4	23.6	23.7	23.7	23.8	23.9	.0

Section 2: SUBPLOT DATA

TABLE 2.1:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 1 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.80	2.40	3.20	7.20	8.00	17.60	30.80	20.80	.00	.00
5	.00	.40	1.60	1.20	6.80	8.00	12.40	32.80	32.40	.00
6	.00	.40	1.20	2.00	.80	6.40	10.40	11.20	25.60	25.20
7	.40	.00	.40	1.60	1.60	1.20	6.00	9.20	9.60	28.40
8	.00	.40	.00	.40	2.00	1.60	1.20	5.60	8.80	13.60
9	.00	.00	.40	.40	.40	2.00	2.40	2.00	4.80	8.00
10	.40	.00	.00	.00	.40	.40	1.20	1.60	1.60	5.60
11	.00	.40	.00	.40	.00	.40	.80	1.20	2.00	1.60
12	.00	.40	.40	.00	.40	.00	.00	.40	.80	1.60
13	.00	.00	.00	.00	.00	.40	.40	.00	.00	1.60
14	.00	.00	.00	.40	.40	.00	.00	.40	.40	.00
15	.80	.80	.40	.40	.00	.40	.00	.00	.00	.40
16	.00	.00	.40	.40	.40	.40	.80	.40	.40	.40
17	.40	.40	.40	.00	.40	.40	.40	.40	.40	.00
18	.40	.40	.00	.40	.40	.40	.40	.80	.80	.80
19	1.60	.00	.40	.40	.00	.00	.00	.00	.00	.40
20	.40	2.00	.80	.00	.40	.40	.40	.00	.00	.00
21	3.20	2.80	2.80	2.00	1.20	.80	.40	.80	.80	.40
22	.80	.40	1.60	2.80	2.40	1.60	2.00	1.60	1.20	.40
23	1.20	1.20	.40	.40	1.60	2.40	2.40	2.80	2.40	2.00
24	2.40	2.40	1.60	.00	.00	.40	.40	.00	.80	2.00
25	.40	1.20	2.80	3.60	2.00	1.20	1.20	1.60	1.60	.80
26	.80	.80	.80	1.60	3.20	2.80	2.00	.80	.80	1.20
27	.80	.40	.40	.40	.40	1.60	2.40	3.20	2.40	2.00
28	.40	.40	.00	.00	.00	.00	.00	.00	.80	1.60
29	.40	.80	.80	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.40	1.20	.40	.40	.40	.40	.00	.00
31	.00	.00	.00	.00	.80	.80	.40	.40	.80	.40
32	.00	.00	.00	.00	.00	.00	.40	.40	.40	.40
33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.40	.40	.40	.40	.40	.40	.40	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	16.00	18.40	21.60	27.60	34.80	52.40	80.00	99.20	99.60	99.20

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.07	.20	.28	.63	.73	1.58	2.88	2.02	.00	.00
5	.00	.06	.23	.16	.93	1.12	4.47	4.47	4.65	.00
6	.00	.07	.23	.40	.17	1.23	2.10	2.17	5.11	5.38
7	.10	.00	.12	.43	.45	.32	1.57	2.57	7.55	7.55
8	.00	.13	.00	.13	.71	.59	.39	1.91	3.16	4.74
9	.00	.00	.20	.16	.17	.89	1.05	.91	2.07	3.70
10	.23	.00	.00	.00	.21	.21	.65	.90	.86	3.10
11	.00	.28	.00	.25	.00	.25	.51	.79	1.34	1.04
12	.00	.00	.34	.00	.30	.00	.00	.30	.64	1.25
13	.00	.00	.00	.00	.00	.35	.39	.00	.00	1.46
14	.00	.00	.00	.40	.46	.00	.00	.43	.46	.00
15	.97	1.00	.51	.52	.00	.52	.00	.00	.00	.52
16	.00	.00	.54	.57	.54	.55	1.10	.56	.57	.57
17	.62	.64	.66	.00	.61	.65	.66	.60	.63	.00
18	.68	.71	.00	.68	.70	.71	.71	1.41	1.45	1.47
19	3.23	.00	.76	.80	.00	.00	.00	.00	.00	.80
20	.85	4.34	1.75	.00	.84	.87	.90	.00	.00	.00
21	7.63	6.83	6.82	4.88	2.97	2.02	1.01	1.93	1.97	1.01
22	2.15	1.03	4.14	7.46	6.43	4.27	5.35	4.32	3.28	1.05
23	3.45	3.50	1.16	1.19	4.64	6.92	7.01	8.23	7.02	5.80
24	7.56	7.64	5.10	.00	.00	1.24	1.28	.00	2.44	6.22
25	1.32	3.99	9.48	12.21	6.79	4.04	4.06	5.41	5.48	2.73
26	2.92	2.95	2.98	5.93	11.89	10.44	7.47	2.96	2.98	4.38
27	3.12	1.58	1.60	1.60	1.63	6.36	9.53	12.71	9.53	7.96
28	1.76	1.69	.00	.00	.00	.00	.00	.00	3.38	6.89
29	1.81	3.67	3.67	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	1.91	5.90	1.98	2.03	2.03	2.03	.00	.00
31	.00	.00	.00	.00	4.14	4.22	2.11	2.14	4.21	2.07
32	.00	.00	.00	.00	.00	.00	2.18	2.22	2.29	2.18
33	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.42

34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	3.23	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	3.27	3.32	3.35	3.37	3.37	3.37	3.37	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	41.70	43.57	45.82	47.66	50.65	54.74	59.95	64.36	66.09	74.27

TABLE 2.2:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 2 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.40	1.60	3.60	6.40	6.80	10.80	27.60	37.60	8.00	.00
5	.00	.40	2.40	2.00	5.60	6.80	11.20	25.60	40.00	.00
6	.00	.00	.40	1.60	1.60	4.80	7.20	9.60	21.20	30.00
7	.00	.00	.00	.80	1.60	2.00	3.20	8.00	10.40	31.20
8	.00	.00	.00	.40	.80	1.20	2.00	3.20	6.40	12.80
9	.00	.00	.00	.00	.00	.80	2.00	1.20	3.20	10.40
10	.00	.00	.00	.00	.00	.00	.00	1.60	.80	4.00
11	.80	.00	.00	.00	.00	.00	.00	.00	1.20	1.20
12	.00	.40	.00	.00	.00	.00	.00	.00	.00	.80
13	.00	.40	.80	.40	.00	.00	.00	.00	.00	.80
14	.40	.40	.40	.80	.40	.40	.00	.00	.00	.00
15	.40	.00	.00	.00	.80	.40	.80	.40	.40	.00
16	.80	.40	.40	.00	.00	.40	.40	.40	.40	.40
17	.40	1.20	.00	.40	.40	.00	.00	.40	.00	.40
18	.80	.40	1.20	.40	.40	.80	.40	.40	.40	.00
19	.40	.80	.40	.80	.80	.40	.80	.80	1.20	1.20
20	.80	.00	.80	.80	.00	.40	.40	.00	.00	.40
21	.40	1.20	.40	.80	1.60	1.20	.40	.40	.40	.00
22	1.20	.40	1.20	.80	.40	.80	1.20	.80	.40	.80
23	1.60	1.60	1.20	1.60	1.60	.80	1.20	1.20	1.20	.80
24	.80	1.20	.80	.80	1.20	1.20	1.20	1.20	1.20	1.60
25	.80	.40	1.20	.40	.00	.40	.40	.80	1.20	.00
26	.40	.80	.00	.80	1.20	.80	.80	.80	.80	1.60
27	.00	.00	.80	.40	.00	.40	.40	.40	.40	.40
28	1.20	.80	.40	.80	.80	.40	.40	.40	.00	.40
29	.00	.80	.80	.80	.80	1.60	1.60	1.60	1.20	1.20
30	.40	.40	.80	.40	.40	.00	.00	.00	.40	.40
31	.00	.00	.00	.40	.40	.40	.40	.40	.40	.40
32	.40	.00	.00	.00	.00	.40	.40	.40	.00	.00
33	.40	.40	.00	.00	.00	.00	.00	.00	.40	.40
34	.40	.80	1.20	1.20	.80	.40	.40	.40	.00	.00
35	.00	.00	.00	.00	.40	.80	.80	.80	.80	.40
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	13.20	14.80	19.20	24.00	28.80	38.80	65.60	98.80	102.40	102.40

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.03	.13	.30	.61	.64	1.01	2.55	3.57	.86	.00
5	.00	.05	.30	.27	.80	.96	1.55	3.48	5.51	.00
6	.00	.00	.07	.32	.34	.92	1.47	1.87	4.14	6.34
7	.00	.00	.00	.19	.42	.57	.81	2.11	2.82	8.45
8	.00	.00	.00	.14	.26	.41	.68	1.14	2.19	4.48
9	.00	.00	.00	.00	.00	.33	.90	.52	1.42	4.61
10	.00	.00	.00	.00	.00	.00	.00	.87	.44	2.20
11	.55	.00	.00	.00	.00	.00	.00	.00	.78	.78
12	.00	.32	.00	.00	.00	.00	.00	.00	.00	.61
13	.00	.35	.74	.39	.00	.00	.00	.00	.00	.76

14	.42	.43	.44	.90	.42	.45	.00	.00	.00	.00
15	.50	.00	.00	.00	.97	.50	.98	.50	.52	.00
16	1.16	.54	.59	.00	.00	.55	.59	.54	.57	.57
17	.61	1.95	.00	.62	.65	.00	.00	.63	.00	.60
18	1.46	.74	2.13	.69	.72	1.43	.71	.75	.68	.00
19	.75	1.63	.77	1.53	1.58	.76	1.52	1.55	2.33	2.35
20	1.69	.00	1.76	1.82	.00	.88	.92	.00	.00	.84
21	.95	2.84	.97	1.94	3.88	3.01	.99	.95	.98	.00
22	3.23	1.06	3.12	2.14	1.08	2.18	3.15	2.10	1.03	2.05
23	4.61	4.62	3.47	4.63	4.63	2.32	3.49	3.44	3.39	2.29
24	2.43	3.79	2.47	2.54	3.82	3.79	3.85	3.84	3.81	5.15
25	2.69	1.39	4.11	1.42	.00	1.36	1.36	2.73	4.15	.00
26	1.43	2.95	.00	2.89	4.40	2.94	2.97	2.98	3.01	5.88
27	.00	.00	3.15	1.64	.00	1.56	1.57	1.61	1.63	1.58
28	5.19	3.47	1.73	3.46	3.53	1.72	1.76	1.77	.00	1.66
29	.00	3.59	3.58	3.63	3.67	7.31	7.37	7.40	5.54	5.62
30	1.96	1.99	3.95	2.02	2.03	.00	.00	.00	1.91	1.98
31	.00	.00	.00	2.07	2.15	2.04	2.04	2.04	2.04	2.04
32	2.29	.00	.00	.00	.00	2.22	2.25	2.30	.00	.00
33	2.43	2.38	.00	.00	.00	.00	.00	.00	2.33	2.36
34	2.55	5.06	7.58	7.73	5.04	2.46	2.48	2.48	.00	.00
35	.00	.00	.00	.00	2.61	5.30	5.33	5.42	5.45	2.72
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.80
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	36.95	39.27	41.25	43.59	43.67	46.98	51.30	56.64	57.53	68.71

TABLE 2.3:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 3 AREA: 2.35 ACRES

SIEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	2.55	3.83	2.98	.85	3.40	5.96	10.21	22.13	2.98	.00
5	.85	1.28	2.13	2.98	.85	2.13	6.81	9.79	22.55	.00
6	.85	1.70	3.40	1.70	2.55	2.13	1.28	5.96	10.64	13.19
7	.85	1.28	1.28	2.55	2.55	2.98	1.70	1.28	3.83	13.62
8	.85	.00	.85	1.70	2.13	1.70	4.26	2.98	3.40	10.64
9	.43	1.70	.43	1.28	2.13	2.55	1.28	2.98	2.13	6.38
10	.85	.43	.43	.43	.85	1.70	3.40	2.55	1.28	1.28
11	1.70	1.28	2.13	.43	.43	.85	.43	2.13	2.98	3.83
12	.85	1.70	2.13	3.40	2.98	2.55	1.70	.43	1.28	2.13
13	1.70	1.28	.85	1.28	1.70	.85	2.13	1.70	1.70	2.13
14	2.13	.85	1.28	.85	.85	1.70	1.70	2.55	1.28	.43
15	2.98	2.98	1.28	1.70	1.28	2.13	2.13	1.28	1.70	1.70
16	2.13	1.70	3.40	1.28	1.70	1.28	.43	1.28	1.70	2.98
17	2.55	2.55	1.70	2.55	1.28	1.28	1.70	.85	1.28	.43
18	2.55	2.55	2.55	2.98	2.98	1.70	.85	1.28	1.28	1.28
19	1.28	2.55	2.55	1.70	2.55	3.40	3.83	3.83	2.13	2.13
20	2.55	1.28	1.28	2.55	2.55	2.55	1.70	1.70	2.55	1.70
21	.43	2.55	1.70	1.28	1.70	1.70	2.13	2.13	2.55	2.55
22	2.13	.00	1.70	2.13	1.70	1.28	1.70	2.13	1.70	2.55
23	.43	2.13	2.55	2.13	2.55	2.55	2.13	1.28	.85	.85
24	.00	.43	.00	1.28	1.70	1.70	2.13	2.55	2.55	2.13
25	.85	.43	.43	.43	.43	.85	1.70	1.70	2.98	2.98
26	.00	.43	.85	.43	.43	.00	.00	.43	.43	1.28
27	.43	.43	.00	.43	.43	.85	.43	.43	.43	.85
28	.00	.00	.43	.00	.00	.00	.43	.43	.43	.43
29	.43	.00	.00	.43	.43	.43	.43	.43	.43	.43
30	.43	.85	.43	.00	.00	.00	.00	.00	.00	.00
31	.43	.43	.85	1.28	.85	.85	.85	.85	.43	.43
32	.00	.00	.00	.00	.43	.00	.00	.00	.00	.00
33	.00	.00	.00	.00	.00	.43	.43	.43	.43	.00
34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.43
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	33.19	36.60	39.57	40.00	43.40	48.08	57.87	77.45	79.15	78.72

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.26	.35	.24	.07	.34	.51	.87	2.10	.30	.00
5	.11	.17	.31	.41	.10	.28	.89	1.29	3.06	.00
6	.16	.33	.69	.36	.49	.42	.27	1.09	2.07	2.84
7	.23	.34	.36	.68	.68	.80	.43	.36	.96	3.61
8	.29	.00	.31	.61	.75	.57	1.45	1.04	1.21	3.65
9	.18	.77	.18	.56	.95	1.12	.58	1.32	.94	2.71
10	.47	.26	.23	.25	.45	.87	1.86	1.45	1.39	.70
11	1.18	.87	1.42	.28	.30	.54	.28	1.41	1.97	2.62
12	.65	1.32	1.66	2.68	2.40	2.09	1.36	.32	.97	1.75
13	1.53	1.23	.79	1.18	1.61	.76	1.96	1.50	1.56	1.99
14	2.36	.92	1.39	.91	.93	1.79	1.87	2.76	1.42	.49
15	3.68	3.68	1.57	2.13	1.60	2.70	2.77	1.63	2.06	2.15
16	3.02	2.36	4.84	1.80	1.80	1.84	.60	1.77	2.33	4.15
17	4.10	4.01	2.81	4.03	2.01	2.06	2.68	1.38	2.06	.70
18	4.58	4.46	4.55	5.37	5.28	3.07	1.50	2.21	2.29	2.26
19	2.48	4.94	5.02	3.33	4.94	6.70	7.53	7.69	4.30	4.23
20	5.70	2.82	2.70	5.53	5.58	5.63	3.68	3.73	5.48	3.66
21	.98	6.15	4.12	3.09	4.15	4.16	5.06	5.11	6.19	6.10
22	5.80	.00	4.38	5.64	4.57	3.41	4.46	5.73	4.54	6.78
23	1.25	6.03	7.41	6.18	7.45	7.38	6.17	3.76	2.44	2.43
24	.00	1.33	.00	3.98	5.46	5.43	6.64	8.02	7.99	6.83
25	2.88	1.49	1.42	1.47	1.47	2.87	5.78	5.78	10.13	10.20
26	.00	1.52	3.11	1.61	1.63	.00	.00	1.54	1.61	4.71
27	1.68	1.74	.00	1.65	1.70	3.43	1.70	1.70	1.73	3.45
28	.00	.00	1.81	.00	.00	.00	1.78	1.81	1.82	1.87
29	1.97	.00	.00	1.90	1.90	1.94	1.95	1.97	1.97	1.99
30	2.06	4.19	2.16	.00	.00	.00	.00	.00	.00	.00
31	2.27	2.29	4.49	6.78	4.50	4.55	4.55	4.56	2.27	2.29
32	.00	.00	.00	.00	2.38	.00	.00	.00	.00	.00
33	.00	.00	.00	.00	.00	2.48	2.50	2.54	2.54	.00
34	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.65
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	49.88	53.58	57.97	62.50	66.01	67.41	71.18	75.58	77.60	86.82

TABLE 2.4:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 4 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	10.00	12.00	9.20	6.80	.40	.40	9.60	13.60	1.20	.00
5	8.40	10.80	12.00	9.60	10.40	4.40	1.60	8.40	16.80	.00
6	5.20	8.40	10.80	14.00	10.40	10.40	9.20	5.20	8.80	9.20
7	3.60	4.80	6.00	7.60	12.40	12.40	11.60	8.80	6.80	15.20
8	4.40	4.80	6.00	5.20	6.00	10.00	10.00	11.20	10.00	13.60
9	1.60	3.20	4.80	6.00	5.20	6.00	8.00	9.20	9.20	8.80
10	.80	2.00	3.60	4.00	6.40	5.20	5.20	6.80	8.40	8.40
11	1.60	1.20	1.60	3.60	4.00	4.00	6.40	7.20	7.20	7.60
12	.80	.80	1.60	2.80	2.40	3.60	3.20	5.20	4.40	6.80
13	2.00	1.60	1.60	.80	2.40	2.40	2.80	3.20	3.20	3.60
14	1.60	2.40	1.60	1.60	2.00	2.80	2.80	3.60	3.60	5.20
15	2.80	1.20	2.00	1.20	.80	1.20	1.60	2.00	3.60	2.80
16	.40	2.00	.40	.80	2.40	2.00	2.00	2.40	.40	2.40
17	.40	.80	2.00	1.60	1.20	1.20	1.20	.80	2.40	2.00
18	.40	.40	.80	1.60	2.00	1.60	1.60	1.60	1.20	.80
19	1.60	.40	.40	.80	.80	1.20	1.20	2.00	2.40	2.40
20	1.20	2.00	2.00	1.20	1.20	.40	.40	.00	.40	1.60
21	.00	.40	.80	1.20	1.20	1.60	1.60	2.00	1.20	.80
22	.40	.40	.00	.40	1.20	.80	.80	.80	1.60	.80
23	1.20	.40	.80	.80	.00	.80	1.20	.80	.40	1.20

24	.40	.80	.00	.00	.80	.40	.40	.80	1.20	1.20
25	1.60	1.20	1.60	1.20	.40	.40	.40	.00	.00	.40
26	.80	1.60	1.60	1.60	1.60	2.00	.40	.80	.80	.40
27	.80	.80	.40	.80	1.60	1.20	2.80	2.40	1.20	1.20
28	1.20	.80	1.60	1.60	1.60	2.00	2.00	2.00	2.80	2.40
29	.40	.80	.40	.40	.40	.40	.00	.40	.40	1.20
30	.80	.40	.40	.40	.40	.00	.40	.40	.40	.00
31	.40	.80	1.20	.80	.40	.40	.40	.40	.40	.00
32	.40	.40	.40	.40	.80	1.20	1.20	.40	.40	.40
33	.00	.00	.00	.40	.40	.40	.40	1.20	1.20	.80
34	.40	.40	.00	.00	.00	.00	.00	.00	.00	.40
35	.00	.00	.40	.40	.40	.40	.40	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.40	.40	.40
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	55.60	68.00	76.00	80.80	80.80	81.20	90.80	101.20	102.40	102.00

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.94	1.05	.87	.65	.04	.04	.85	1.30	.12	.00
5	1.13	1.46	1.67	1.35	1.48	.67	.24	1.11	2.35	.00
6	1.06	1.65	2.07	2.83	2.12	2.12	1.84	1.05	1.75	1.97
7	1.01	1.28	1.57	2.02	3.35	3.39	3.22	2.42	1.92	4.06
8	1.53	1.73	2.10	1.82	2.06	3.55	3.56	3.96	3.55	4.81
9	.72	1.41	2.14	2.66	2.28	2.69	3.57	4.12	4.16	3.91
10	.44	1.08	2.02	2.14	3.47	2.96	2.88	3.69	4.58	4.75
11	1.02	.81	1.06	2.34	2.68	2.62	4.29	2.89	4.87	5.10
12	.65	.60	1.26	2.26	1.90	2.83	2.60	4.00	3.55	5.35
13	1.87	1.49	1.56	.77	2.20	2.21	2.60	2.97	2.96	3.38
14	1.74	2.58	1.77	1.69	2.19	2.96	3.02	3.86	3.88	5.62
15	3.50	1.51	2.49	2.94	.99	1.47	1.95	2.42	4.45	3.44
16	.57	2.82	.57	1.06	3.25	2.81	2.84	3.42	.57	3.41
17	.61	1.29	3.09	2.51	1.97	1.88	1.91	1.25	3.66	3.09
18	.68	.72	1.41	2.74	3.62	2.84	2.87	2.87	2.15	1.41
19	3.16	.81	.77	1.64	.00	2.35	2.35	3.92	4.76	4.79
20	2.57	4.30	4.43	2.70	2.65	.92	.87	.00	.86	3.49
21	.00	.94	1.93	2.88	2.87	3.82	3.82	4.85	2.95	2.40
22	1.02	1.08	.00	1.07	3.22	2.14	2.06	2.10	4.21	2.16
23	3.35	1.14	2.31	2.38	.00	2.26	3.47	2.37	1.19	3.35
24	1.26	2.43	.00	.00	2.48	1.23	1.23	2.47	3.76	3.82
25	5.50	4.10	5.44	4.19	1.42	1.32	1.39	.00	.00	1.41
26	2.92	5.91	5.95	6.02	5.99	7.53	1.43	2.89	2.97	1.44
27	3.22	1.56	3.13	6.34	6.34	4.77	11.06	9.58	4.80	4.83
28	5.13	3.37	6.73	6.81	6.85	8.57	8.64	8.60	11.97	10.29
29	1.78	3.66	1.80	1.83	1.87	1.90	.00	1.80	1.81	5.44
30	3.90	1.99	1.92	1.98	2.03	.00	1.91	1.94	1.94	.00
31	2.06	4.14	6.29	4.26	2.15	2.08	2.10	2.11	2.15	.00
32	2.19	2.23	2.28	2.19	4.40	6.73	6.83	2.28	2.28	2.21
33	.00	.00	.00	2.33	2.36	2.39	2.39	7.07	7.16	4.78
34	2.52	2.58	.00	.00	.00	.00	.00	.00	.00	2.48
35	.00	.00	2.64	2.72	2.73	2.75	2.75	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	2.80	2.81	2.84
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	58.04	63.46	69.70	75.91	80.98	85.80	90.55	96.07	100.13	105.64

TABLE 2.5:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 5 AREA: 2.50 ACRES

SIEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	3.20	3.20	4.80	6.00	1.60	1.20	9.20	7.60	1.20	.00

5	3.60	2.00	2.40	3.60	5.20	4.00	2.80	8.00	11.60	.00
6	3.60	5.20	4.80	1.60	3.60	4.80	5.60	4.40	6.00	6.40
7	2.80	2.40	2.40	5.60	4.80	3.60	2.80	4.40	4.40	14.00
8	1.20	2.40	2.00	2.40	3.60	5.20	6.80	4.40	4.40	4.40
9	1.60	1.20	3.20	2.00	.80	1.60	1.60	3.60	4.00	4.80
10	.00	1.20	1.60	2.80	3.20	1.60	2.00	1.60	2.00	2.80
11	.80	.80	.80	1.20	1.60	2.00	1.20	1.60	2.00	2.00
12	.40	.40	.80	1.60	1.20	2.00	2.40	3.20	2.40	1.60
13	1.20	.00	.00	.00	.80	.80	1.60	1.20	1.60	2.80
14	.80	1.60	.80	.00	.00	.00	.40	1.20	1.20	.80
15	.40	.80	1.60	2.00	2.00	.80	.00	.00	.80	2.00
16	1.20	.80	.00	.40	.00	1.20	2.00	2.00	1.60	.40
17	4.00	2.40	2.40	1.60	2.00	1.20	.80	.80	1.20	2.40
18	2.00	3.20	2.80	2.80	1.20	1.60	1.20	.80	.80	.40
19	2.80	2.00	2.00	2.40	2.40	1.60	2.00	2.00	1.20	.80
20	2.80	3.60	2.80	1.20	1.60	2.40	2.40	2.00	2.80	2.40
21	2.00	1.60	2.00	2.80	2.40	1.60	2.00	2.00	1.60	1.20
22	.00	1.20	2.00	1.60	2.00	2.80	1.60	1.60	1.20	2.00
23	.80	.40	.40	1.60	1.60	.80	1.20	2.00	2.40	1.20
24	.00	.40	.80	.40	.80	2.00	2.40	1.60	1.20	2.40
25	.00	.00	.40	.40	.00	.00	.40	1.20	1.60	1.60
26	.80	.40	.40	.40	.80	.00	.00	.00	.40	.80
27	.80	.80	.80	.40	.40	1.20	.80	.40	.40	.40
28	.40	.80	.40	1.20	.80	.80	1.20	.80	.40	.80
29	.80	.80	.40	.40	.80	.80	.80	1.60	1.20	.40
30	.40	.40	1.20	1.20	.80	.80	.80	.80	.80	1.60
31	.40	.40	.00	.00	.40	.40	.40	.00	.40	.40
32	.80	.40	.40	.40	.00	.00	.00	.40	.40	.40
33	.40	.80	.80	.80	.80	.40	.40	.40	.40	.40
34	.40	.40	.40	.40	.00	.80	.80	.80	.80	.80
35	.00	.00	.40	.40	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.40	.40	.40	.40	.40	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	40.40	42.00	46.00	49.60	48.00	49.20	58.00	62.80	62.80	62.80

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.30	.31	.43	.58	.17	.10	.83	.73	.12	.00
5	.51	.30	.33	.74	.56	.56	.39	1.04	1.65	.00
6	.70	1.04	1.04	.32	.71	.95	1.13	.85	1.20	1.35
7	.73	.65	.64	1.47	1.36	1.03	.76	1.16	1.12	3.74
8	.42	.81	.71	.83	1.25	1.79	2.43	1.56	1.57	1.59
9	.72	.53	1.41	.90	.37	.73	.75	1.56	1.76	2.14
10	.00	.62	.88	1.52	1.82	.90	1.16	.88	1.08	1.50
11	.52	.55	.54	.77	1.08	1.34	.87	1.04	1.33	1.33
12	.30	.31	.63	1.28	.96	2.22	1.91	2.60	1.95	1.30
13	1.14	.00	.00	.00	.69	.75	1.46	1.13	1.48	2.55
14	.87	1.70	.89	.00	.00	.00	.40	1.29	1.29	.89
15	.47	.95	1.95	2.46	2.55	1.03	.00	.00	.93	2.50
16	1.72	1.17	.00	.58	.00	1.61	2.72	2.83	2.33	.57
17	6.34	3.80	3.78	2.51	3.20	1.93	1.26	1.28	1.88	3.79
18	3.55	5.62	5.07	5.08	2.19	2.87	2.11	1.42	1.45	.72
19	5.60	4.01	3.91	4.83	4.75	3.17	3.91	3.95	2.40	1.60
20	6.00	7.88	6.14	2.64	3.49	5.19	5.28	4.36	6.13	5.28
21	4.86	3.95	4.76	6.72	5.81	3.86	4.89	4.85	3.94	2.82
22	.00	3.19	5.30	4.18	5.28	7.48	4.30	4.27	3.18	5.27
23	2.37	1.20	1.13	4.63	4.69	2.37	3.43	5.79	7.00	3.52
24	.00	1.26	2.47	1.24	2.48	6.24	7.56	5.12	3.80	7.53
25	.00	.00	1.35	1.37	.00	.00	1.32	4.03	5.40	5.53
26	2.96	1.51	1.53	1.46	3.02	.00	.00	.00	1.43	2.92
27	3.23	3.18	3.26	1.57	1.59	4.85	3.28	1.63	1.65	1.58
28	1.73	3.45	1.75	5.14	3.40	3.47	5.21	3.47	1.72	3.49
29	3.68	3.77	1.80	3.62	3.62	3.66	3.68	7.33	5.53	1.87
30	1.98	2.00	5.90	6.00	4.01	4.03	4.06	4.06	3.94	7.87
31	2.10	2.15	.00	.00	2.07	2.11	2.15	.00	2.06	2.10
32	4.45	2.29	2.21	2.25	2.30	.00	.00	2.18	2.22	2.28
33	2.35	4.72	4.74	4.84	4.88	2.32	2.32	2.33	2.36	2.38
34	2.54	2.60	2.49	2.49	.00	4.98	5.01	5.04	5.04	5.10
35	.00	.00	2.67	2.72	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	2.76	2.80	2.81	2.86	2.87	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.92
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	62.12	65.50	69.72	72.70	71.25	74.35	77.38	80.62	81.81	88.05

TABLE 2.6:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 6 AREA: 2.35 ACRES

BIEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	2.13	5.53	4.26	1.70	2.98	5.11	9.36	14.89	3.83	.00
5	2.55	2.98	5.53	5.11	2.55	2.13	4.26	8.51	15.32	.00
6	.43	1.70	2.98	5.53	7.66	3.83	3.40	3.40	8.94	8.94
7	.85	.43	.85	2.13	3.40	6.38	4.26	4.26	2.55	16.60
8	.85	1.28	1.70	1.28	.43	2.55	4.68	5.11	4.68	5.11
9	.00	.00	.43	.85	2.55	1.70	1.70	2.13	4.26	3.83
10	.43	.00	.00	.43	.00	1.28	2.13	.85	1.70	4.26
11	.00	.43	.43	.43	.85	.43	.43	2.13	1.28	1.70
12	1.70	.43	.00	.43	.00	.85	.43	.85	1.28	2.55
13	1.70	2.55	2.55	1.70	1.70	1.28	1.70	.85	.43	.43
14	1.70	1.28	1.28	1.70	2.13	2.55	2.13	2.98	3.40	2.55
15	1.28	1.28	1.28	.85	.43	.00	.85	1.28	1.70	1.70
16	2.55	2.55	2.13	2.13	1.70	2.13	1.70	.85	.85	.85
17	5.53	4.68	1.70	1.28	1.70	1.28	1.70	1.28	1.28	2.13
18	2.13	2.98	5.11	4.26	1.70	1.70	2.13	2.13	2.55	1.28
19	2.98	2.13	2.13	3.40	4.68	3.40	2.55	2.13	1.70	2.55
20	1.70	2.13	2.98	2.13	2.98	3.40	4.26	3.83	2.55	2.55
21	1.70	1.70	1.70	2.13	2.55	2.55	1.70	2.55	2.98	3.40
22	1.28	1.70	1.70	2.55	2.98	2.98	2.98	1.70	2.55	1.70
23	1.70	2.13	2.13	.85	.00	1.28	2.13	2.55	2.13	2.13
24	1.28	1.28	1.70	2.98	2.98	.85	.43	1.28	2.13	2.13
25	.85	.43	.85	.85	1.28	2.13	2.55	2.13	1.70	2.13
26	.00	.85	.85	.85	.43	1.28	.85	1.70	1.70	2.13
27	.43	.43	.00	.43	1.28	1.28	.85	.85	.85	1.70
28	.00	.00	.43	.43	.43	.43	1.28	1.28	1.70	1.28
29	.43	.43	.43	.00	.00	.00	.00	.00	.00	.43
30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	.85	.43	.00	.00	.00	.00	.00	.00	.00	.00
32	.43	.85	1.28	.85	.85	.43	.00	.00	.00	.00
33	.00	.00	.00	.43	.43	.43	.85	.85	.43	.43
34	.43	.00	.00	.00	.00	.00	.00	.00	.43	.43
35	.43	.85	.85	.00	.00	.00	.00	.00	.00	.00
36	.43	.43	.43	.85	.85	.85	.43	.00	.00	.00
37	.43	.43	.00	.43	.43	.43	.85	1.28	1.28	1.28
38	.00	.00	.43	.43	.43	.43	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	39.15	44.26	48.08	49.36	52.34	55.32	62.13	73.62	76.17	76.17

BABL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.19	.49	.38	.16	.26	.46	.85	1.33	.38	.00
5	.36	.41	.76	.70	.38	.30	.59	1.19	2.05	.00
6	.09	.34	.57	1.12	1.57	.76	.73	.67	1.78	1.89
7	.21	.13	.20	.58	.96	1.70	1.18	1.16	.66	4.41
8	.30	.46	.64	.45	.14	.91	1.58	1.86	1.63	1.77
9	.00	.00	.21	.37	1.18	.75	.79	.92	1.91	1.66
10	.24	.00	.00	.21	.00	.72	1.21	.47	.94	2.41
11	.00	.26	.30	.26	.58	.29	.29	1.38	.87	1.11
12	1.39	.35	.00	.34	.00	.67	.36	.69	.98	2.08
13	1.57	2.33	2.37	1.63	1.61	1.22	1.59	.83	.40	.42
14	1.84	1.35	1.35	1.80	2.31	2.80	2.28	3.22	3.68	2.80
15	1.62	1.59	1.60	1.06	.54	.00	1.00	1.54	2.16	2.11
16	3.54	3.63	3.02	3.04	2.42	3.03	2.45	1.23	1.19	1.17
17	8.71	7.52	2.77	2.01	2.66	2.04	2.76	1.97	1.97	3.32
18	3.77	5.30	8.91	7.68	3.03	2.99	3.06	3.74	4.60	2.26
19	5.81	4.24	4.19	6.70	9.14	6.80	5.16	4.21	3.42	4.99
20	3.81	4.58	6.48	4.65	6.47	7.41	9.41	8.39	5.65	5.61
21	4.13	4.05	4.06	5.08	6.25	6.15	4.10	6.12	7.08	8.08
22	3.36	4.41	4.43	6.65	7.96	7.94	8.01	4.53	6.77	4.56
23	4.91	6.19	6.27	2.50	.00	3.65	6.17	7.26	6.13	6.22

24	3.96	4.00	5.36	9.40	9.53	2.75	1.39	4.01	6.71	6.63
25	2.95	1.42	2.91	2.88	4.29	7.13	8.68	7.25	5.91	7.32
26	.00	3.07	3.20	3.22	1.56	4.66	3.11	6.29	6.34	7.77
27	1.73	1.76	.00	1.69	5.09	5.20	3.40	3.45	3.40	6.84
28	.00	.00	1.79	1.81	1.81	1.81	5.38	5.46	7.28	5.43
29	1.98	1.98	1.98	.00	.00	.00	.00	.00	.00	1.99
30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
31	4.53	2.27	.00	.00	.00	.00	.00	.00	.00	.00
32	2.38	4.72	7.07	4.69	4.72	2.45	.00	.00	.00	.00
33	.00	.00	.00	2.47	2.48	2.53	4.99	5.09	2.53	2.59
34	2.75	.00	.00	.00	.00	.00	.00	.00	2.62	2.68
35	2.78	5.62	5.78	.00	.00	.00	.00	.00	.00	.00
36	2.97	3.02	3.08	5.92	5.98	6.15	3.08	.00	.00	.00
37	3.23	3.26	.00	1.13	3.16	3.18	6.30	9.50	9.62	9.70
38	.00	.00	3.32	3.32	3.33	3.33	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	75.09	78.76	82.98	85.52	89.40	89.76	89.91	93.75	98.63	107.84

TABLE 2.7:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 7 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	11.60	14.80	14.40	4.40	1.20	4.40	16.40	16.80	11.60	.00
5	8.40	12.00	12.40	1.40	8.80	5.20	6.80	16.80	15.20	.00
6	8.40	6.40	8.40	10.40	11.20	10.00	7.20	6.80	17.60	16.00
7	4.80	8.00	9.60	9.20	9.60	9.60	9.20	7.60	5.60	19.60
8	2.40	4.00	7.20	9.20	8.80	10.80	12.80	10.80	10.00	17.20
9	2.40	2.00	3.60	6.00	8.40	7.60	6.80	10.80	12.80	11.60
10	1.20	2.80	2.00	3.20	6.80	8.40	8.80	6.80	8.00	11.60
11	1.20	.80	2.40	2.00	2.40	3.20	5.20	8.40	8.00	7.60
12	.80	.80	1.60	2.40	1.60	2.40	4.00	3.60	4.80	6.40
13	.40	1.20	.80	1.60	2.40	2.80	1.20	2.80	3.60	4.80
14	.00	.40	1.20	1.60	.80	1.20	3.20	2.80	2.40	3.20
15	.00	.00	.40	.40	1.60	.80	.40	1.20	2.40	2.00
16	.00	.00	.00	.40	.80	1.20	1.20	1.20	.80	2.00
17	.40	.00	.00	.00	.00	.80	1.20	.80	1.20	.40
18	.40	.40	.00	.00	.00	.00	.00	.80	.80	1.60
19	.40	.40	.80	.40	.00	.00	.00	.00	.40	1.20
20	.00	.40	.00	.40	.80	.40	.40	.40	.00	.00
21	.40	.40	.80	.40	.80	.40	.40	.00	.40	.40
22	.00	.00	.00	.40	.80	.80	.40	.80	.80	.80
23	1.20	1.20	.80	.80	.40	.40	.80	.80	.40	.00
24	1.20	1.20	1.20	1.20	1.60	.80	.80	.80	.40	.80
25	1.20	.80	.80	.40	.40	.80	.40	.40	.80	.80
26	.40	.80	.80	.80	.40	.40	.80	.80	.80	.40
27	.40	.40	.40	.80	1.20	1.20	.80	.80	.80	.80
28	.40	.00	.40	.40	.40	.00	.40	.40	.40	.40
29	1.20	1.20	.80	.80	.00	.40	.40	.40	.00	.00
30	1.20	1.20	1.60	1.20	2.00	2.00	1.60	1.60	1.20	.80
31	.80	1.20	.40	.80	.40	.40	.80	.80	1.20	1.60
32	.40	.40	1.20	.80	1.20	1.20	1.20	1.20	1.20	1.20
33	.40	.40	.40	.80	.80	.40	.40	.00	.00	.00
34	.00	.00	.00	.00	.00	.00	.00	.40	.40	.40
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	52.40	64.00	74.80	75.60	75.20	78.40	94.40	108.00	114.40	114.00

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.95	1.25	1.24	.44	.12	.38	1.41	1.52	1.11	.00
5	1.10	1.70	1.69	1.92	1.28	.78	.92	2.34	2.10	.00
6	1.71	1.27	1.68	2.10	2.20	2.03	1.46	1.36	3.50	3.36
7	1.26	2.18	2.58	2.48	2.63	2.60	2.48	2.08	1.48	5.26
8	.84	1.35	2.59	3.24	3.06	3.77	4.49	3.86	3.56	6.01
9	1.08	.88	1.57	2.66	3.75	3.42	2.98	4.73	5.67	5.15
10	.69	1.57	1.10	1.73	3.69	4.62	4.81	3.73	4.34	6.35
11	.80	.55	1.62	1.31	1.62	2.15	3.37	5.57	5.35	5.00
12	.61	.62	1.26	1.83	1.30	1.86	3.16	2.87	3.78	5.05
13	.39	1.05	.74	1.43	2.20	2.65	1.11	2.56	3.36	4.52
14	.00	.44	1.23	1.75	.83	1.25	3.42	3.08	2.58	3.49
15	.00	.00	.50	.49	1.96	.97	.50	1.44	2.97	2.44
16	.00	.00	.00	.55	1.14	1.64	1.65	1.73	1.12	2.76
17	.67	.00	.00	.00	.00	1.25	1.90	1.25	1.88	.60
18	.73	.72	.00	.00	.00	.00	.00	1.41	1.43	2.75
19	.82	.76	1.60	.82	.00	.00	.00	.00	.77	2.41
20	.00	.87	.00	.86	1.76	.89	.90	.92	.00	.00
21	.96	.98	1.92	.99	.00	.95	.98	.00	.95	1.01
22	.00	.00	.00	1.02	2.07	2.15	1.06	2.09	2.13	2.20
23	3.43	3.48	2.33	2.35	1.14	1.14	2.26	2.29	1.18	.00
24	3.74	3.82	3.78	3.87	5.10	2.50	2.51	2.52	1.22	2.46
25	4.10	2.76	2.74	1.37	1.41	2.74	1.32	1.32	2.66	2.66
26	1.47	2.96	2.95	2.94	1.44	1.47	2.93	2.95	3.01	1.51
27	1.61	1.65	1.57	3.13	4.72	4.81	3.16	3.18	3.20	3.19
28	1.76	.00	1.71	1.75	1.77	.00	1.67	1.70	1.71	1.75
29	5.53	5.52	3.73	3.78	.00	1.81	1.81	1.81	.00	.00
30	5.92	5.88	7.89	5.89	9.83	9.94	7.93	7.97	6.01	3.98
31	4.23	6.36	2.14	4.21	2.08	2.10	4.14	4.17	6.24	8.36
32	2.22	2.25	6.62	4.41	6.65	6.66	6.66	6.70	6.72	6.74
33	2.35	2.35	2.35	4.67	4.71	2.40	2.45	.00	.00	.00
34	.00	.00	.00	.00	.00	.00	.00	2.48	2.52	2.58
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	2.83	2.84	2.87	2.89	2.89	2.89	2.89	2.89	2.89	2.89
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	51.82	56.07	62.01	66.88	71.37	71.84	76.35	82.51	85.44	94.48

TABLE 2.8:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 8 AREA: 2.50 ACRES

BIOM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	2.40	4.40	3.60	2.00	2.40	3.20	6.40	10.40	1.60	.00
5	3.60	3.20	4.40	3.60	2.00	3.60	6.40	6.40	9.60	.00
6	2.00	2.00	3.20	4.40	5.20	3.20	2.80	5.60	7.20	5.60
7	2.40	2.40	2.80	3.20	4.00	4.40	4.00	3.20	5.20	12.00
8	1.60	1.60	2.00	2.80	2.00	2.40	4.40	5.20	4.40	7.20
9	2.40	2.80	2.00	1.60	2.00	2.80	1.20	1.20	3.60	4.40
10	.40	1.60	1.60	2.00	1.60	1.20	3.20	2.00	1.20	2.40
11	1.60	.80	2.40	2.00	2.00	3.20	1.60	2.40	2.80	1.20
12	2.40	2.40	1.60	2.00	2.80	2.80	2.80	3.20	4.00	4.80
13	1.20	1.20	1.60	2.00	2.40	.80	2.40	2.80	2.00	2.40
14	1.20	1.60	2.00	2.00	1.60	2.40	2.40	1.20	1.20	2.40
15	.80	.80	.00	.40	1.20	1.20	.80	2.40	2.40	1.20
16	1.60	1.20	1.20	1.20	.00	.40	.80	.80	1.20	2.80
17	1.20	1.60	2.40	2.00	2.80	2.00	2.00	1.60	1.20	.40
18	2.80	1.60	.80	.80	.80	1.20	1.20	1.20	1.60	1.60
19	.40	2.00	2.80	2.40	2.00	1.60	1.20	1.20	1.60	1.60
20	2.00	.80	.40	.80	1.20	2.00	2.40	2.00	.80	.40
21	4.00	4.80	3.60	2.80	2.00	1.20	1.20	1.20	2.00	2.40
22	3.60	2.40	3.60	4.00	4.00	3.20	2.40	2.00	1.20	.80
23	1.20	2.00	1.60	2.40	3.20	4.40	4.00	4.40	4.00	3.20
24	2.00	2.00	2.40	2.00	1.60	1.60	2.40	2.40	3.60	4.00
25	1.60	2.40	2.40	2.40	2.40	1.20	1.20	.80	.80	1.60
26	1.20	.40	.80	.40	.80	2.40	2.40	2.40	2.00	1.60
27	1.20	1.60	1.60	1.20	1.60	1.20	1.20	1.20	1.60	1.60
28	.80	.40	.00	.80	.80	.80	.80	1.20	1.20	2.00
29	.00	.80	1.20	.40	.40	.00	.00	.00	.00	.00
30	.40	.40	.40	1.20	.40	.40	.40	.40	.40	.40
31	.00	.00	.00	.40	.80	.80	.80	.40	.40	.00
32	.40	.40	.00	.00	.00	.40	.00	.00	.00	.40
33	.00	.00	.40	.40	.40	.40	.80	.00	.00	.00

34	.40	.40	.40	.00	.00	.00	.00	.80	.80	.40
35	.00	.00	.00	.40	.40	.40	.40	.00	.00	.40
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.40	.40	.40	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	47.60	50.80	54.00	54.40	55.20	57.20	62.40	70.40	70.00	69.60

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.20	.39	.33	.19	.22	.29	.57	.92	.16	.00
5	.50	.47	.59	.51	.28	.51	.64	.87	1.26	.00
6	.43	.40	.63	.83	1.04	.66	.55	1.11	1.38	1.14
7	.64	.65	.74	.87	1.10	1.22	1.06	.86	1.33	3.29
8	.56	.54	.75	.98	.75	.83	1.51	1.87	1.53	2.50
9	1.11	1.25	.94	.75	.85	1.29	.55	.53	1.54	1.99
10	.23	.89	.85	1.12	.86	.62	1.74	1.09	.66	1.25
11	1.11	.56	1.61	1.31	1.30	2.14	1.09	1.56	1.91	.79
12	1.89	1.91	1.31	1.56	2.14	2.26	2.15	2.45	3.19	3.86
13	1.14	1.09	1.45	1.82	2.22	.74	2.19	2.60	1.90	2.25
14	1.30	1.67	2.14	2.19	1.74	2.57	2.66	1.31	1.28	2.67
15	1.00	1.00	.00	.47	1.47	1.47	.98	2.92	2.92	1.49
16	2.27	1.72	1.64	1.75	.00	.54	1.09	1.15	1.65	3.95
17	1.91	2.48	3.79	3.19	4.44	3.21	3.27	2.65	1.96	.67
18	5.00	2.85	1.47	1.46	1.44	2.07	2.13	2.13	2.80	2.86
19	.75	3.81	5.45	4.70	4.00	3.18	2.35	2.34	3.18	3.17
20	4.42	1.75	.90	1.71	2.55	4.30	5.27	4.50	1.82	.86
21	9.55	11.58	8.79	8.86	4.89	2.94	2.97	2.91	4.74	5.80
22	9.61	6.36	9.50	10.71	10.69	8.54	6.44	5.35	3.22	2.13
23	3.54	5.71	4.59	6.93	9.21	12.75	11.48	12.76	11.57	9.34
24	6.37	6.25	7.51	6.40	5.09	5.03	7.40	7.56	11.35	12.65
25	5.38	8.16	8.23	8.35	8.36	4.11	4.15	2.76	2.78	5.42
26	4.50	1.49	3.01	1.53	2.90	8.70	8.78	8.80	7.36	5.83
27	4.78	6.33	6.48	4.81	6.46	4.85	4.90	4.82	6.43	6.40
28	3.51	1.76	.00	3.35	3.37	3.42	3.43	5.17	5.24	8.64
29	.00	3.59	5.61	1.86	1.89	.00	.00	.00	.00	.00
30	1.98	2.00	2.03	5.94	1.99	1.91	1.91	1.94	1.95	1.98
31	.00	.00	.00	2.06	4.22	4.13	4.15	2.11	2.14	.00
32	2.28	2.30	.00	.00	.00	2.23	.00	.00	.00	2.21
33	.00	.00	2.33	2.38	2.39	2.43	4.80	.00	.00	.00
34	2.57	2.58	2.60	.00	.00	.00	.00	4.96	5.00	2.55
35	.00	.00	.00	2.63	2.64	2.66	2.66	.00	.00	2.67
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	3.02	3.04	3.04	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58	3.58
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	85.12	88.17	91.87	92.76	94.07	95.19	96.47	93.54	95.84	101.93

TABLE 2.9:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 9 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	3.20	9.20	5.20	3.20	2.40	5.60	15.20	21.60	10.40	.00
5	5.60	5.60	10.80	7.20	5.20	5.60	6.80	15.60	19.60	.00
6	4.00	4.40	4.40	3.60	8.00	6.00	6.00	7.20	18.00	20.00
7	4.00	3.20	2.80	4.00	5.60	6.00	6.00	5.20	3.60	21.20
8	3.20	4.00	2.00	2.00	4.80	6.80	6.40	6.80	7.60	13.60
9	3.20	3.60	5.20	2.40	2.00	2.40	4.00	3.60	5.20	4.40
10	.00	2.40	2.40	4.80	4.00	1.20	2.40	4.40	4.00	5.20
11	1.60	.40	3.60	2.40	3.20	3.20	2.80	1.20	2.80	4.00
12	.40	1.20	.80	3.60	2.80	4.40	4.40	4.80	2.80	4.00
13	.40	.80	.40	.80	3.60	4.00	2.80	2.80	3.60	2.80

14	1.20	1.20	2.00	.80	.40	2.00	3.60	3.60	3.60	2.80
15	.40	.40	.80	1.60	1.20	.40	.80	2.80	3.20	4.80
16	1.60	1.20	.40	.80	1.20	1.60	1.20	.80	1.20	1.60
17	.80	1.20	2.00	.80	1.20	.80	1.20	.80	1.60	2.40
18	1.20	.40	.40	1.60	.80	1.60	.80	1.60	1.20	.80
19	1.20	1.60	.40	.00	.80	.80	1.60	1.20	1.60	1.20
20	2.00	.40	1.60	1.60	.40	.00	.00	.40	.40	1.20
21	.40	2.40	1.20	1.60	2.00	1.60	.80	.80	.40	.80
22	.00	.00	1.20	.80	.80	1.60	1.60	1.60	1.20	1.20
23	1.60	1.60	1.20	1.20	1.60	1.20	2.00	1.60	1.60	1.20
24	.80	.40	.40	.80	1.20	.80	.80	1.20	1.60	.80
25	.40	.80	.80	.80	.80	1.60	1.60	1.60	2.00	1.60
26	.40	.40	.40	.00	.00	.00	.00	.00	.00	1.60
27	.80	.40	.80	1.20	1.20	.80	.80	.40	.40	.40
28	.00	.40	.00	.00	.00	.40	.40	.00	.00	.00
29	1.20	.80	.80	.00	.00	.00	.00	.40	.40	.00
30	.40	.40	.80	1.20	1.20	.80	.80	.80	.80	.80
31	.40	.80	.80	.40	.00	.40	.40	.00	.00	.40
32	.00	.00	.00	.40	.80	.80	.80	1.20	.00	.00
33	.40	.00	.00	.00	.00	.00	.00	.00	.80	.40
34	.00	.40	.40	.40	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.40	.40	.40	.40	.40	.40
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
37	.40	.40	.40	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.40	.40	.40	.40	.40	.40	.40
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.40	.40	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.40	.40	.40	.40	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.40	.40	.40
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	41.60	50.80	54.80	56.80	58.40	63.60	77.20	95.20	100.80	100.80

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.32	.80	.49	.29	.23	.50	1.38	1.93	1.04	.00
5	.77	.78	1.50	1.02	.74	.79	.93	2.15	2.69	.00
6	.74	.86	.88	1.89	1.62	1.23	1.17	1.42	3.55	4.21
7	1.08	.83	.76	1.08	1.50	1.61	1.65	1.47	.96	5.70
8	1.11	1.43	.67	.70	1.60	2.42	2.26	2.46	2.69	4.73
9	1.44	1.61	2.30	1.11	.89	1.09	1.76	1.60	2.36	1.97
10	.00	1.34	1.34	2.59	2.28	.64	1.28	2.37	2.22	2.82
11	1.08	.26	2.38	1.64	2.12	2.07	1.94	.80	1.84	2.59
12	.34	.96	.60	2.78	2.22	3.33	3.46	3.80	2.22	3.17
13	.36	.74	.36	.72	3.30	3.73	2.63	2.59	3.27	2.60
14	1.25	1.30	2.15	.90	.46	2.13	3.83	3.87	3.95	2.98
15	.48	.50	1.02	1.94	1.49	.48	.96	3.35	3.93	5.93
16	2.24	1.75	.58	1.12	1.66	2.28	1.73	1.17	1.65	2.23
17	1.27	1.92	3.24	1.31	1.94	1.23	1.92	1.25	2.54	3.80
18	2.17	.71	.73	2.84	1.45	2.83	1.37	2.82	2.14	1.39
19	2.35	3.21	.81	.00	1.54	1.54	3.12	2.35	3.21	2.33
20	4.50	.84	3.44	3.57	.90	.00	.00	.84	.88	2.63
21	.93	5.69	2.87	3.89	4.89	3.90	1.94	1.97	.99	1.96
22	.00	.00	3.09	2.13	2.07	4.22	4.15	4.22	3.16	3.22
23	4.57	4.67	3.53	3.48	4.60	3.51	5.78	4.71	4.62	3.55
24	2.59	1.31	1.25	2.50	3.80	2.47	2.51	3.81	5.05	2.47
25	1.34	2.74	2.72	2.75	2.78	5.46	5.53	5.58	7.02	5.43
26	1.47	1.50	1.47	.00	.00	.00	.00	.00	.00	5.75
27	3.20	1.60	3.15	4.70	4.78	3.19	3.20	1.58	1.59	1.59
28	.00	1.71	.00	.00	.00	1.70	1.75	.00	.00	.00
29	5.61	3.75	3.67	.00	.00	.00	.00	1.83	1.86	.00
30	2.00	1.91	3.89	5.84	5.96	3.97	3.98	3.98	3.98	3.98
31	2.12	4.19	4.26	2.16	.00	2.07	2.14	.00	.00	2.06
32	.00	.00	.00	2.18	4.41	4.45	4.47	6.73	.00	.00
33	2.43	.00	.00	.00	.00	.00	.00	.00	4.74	2.42
34	.00	2.49	2.54	2.60	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	2.66	2.66	2.67	2.67	2.72	2.72
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.76
37	3.05	3.07	3.07	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	3.08	3.12	3.12	3.12	3.12	3.13	3.18
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	3.92	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	4.00	4.09	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	4.17	4.22	4.28	4.28	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	4.34	4.34	4.38
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	54.75	58.46	62.85	64.99	69.25	72.91	76.91	80.76	84.35	94.56

TABLE 2.10:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 10 AREA: 2.50 ACRES

SIEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	11.60	10.80	10.00	3.20	3.20	4.40	5.20	16.80	3.60	.00
5	11.60	10.40	12.00	10.80	6.80	5.60	6.80	7.20	18.40	.00
6	6.40	10.00	10.00	3.60	12.40	7.60	5.20	7.20	10.80	15.20
7	4.00	5.60	8.00	7.60	10.00	12.40	12.00	6.00	4.80	14.40
8	8.80	4.80	5.20	7.60	7.60	8.00	10.40	13.60	10.80	12.40
9	4.00	8.40	4.40	3.60	5.20	8.00	7.60	7.20	10.80	8.80
10	2.40	3.60	7.20	6.00	5.20	4.40	6.00	8.00	5.60	6.40
11	.80	2.00	5.60	7.20	6.00	5.20	4.80	4.00	7.60	10.00
12	.00	.80	1.20	4.40	6.40	4.80	5.60	6.00	2.40	6.40
13	.40	.40	.80	2.00	3.60	5.60	5.60	4.00	8.40	3.20
14	.00	.00	.80	.80	2.40	5.20	3.20	6.00	1.60	5.60
15	.80	.00	.00	.40	.40	.40	4.00	4.00	5.20	4.40
16	.80	.80	.40	.40	.40	.80	.00	2.00	4.40	3.60
17	.00	.40	.80	.40	.80	.80	1.20	.80	1.20	4.00
18	.40	.40	.80	.40	.40	.00	.40	.80	.80	1.20
19	.40	.40	.00	.80	.40	.80	.80	.40	.40	.80
20	1.60	.80	.80	.80	1.20	.80	.40	.40	.80	1.20
21	1.20	1.20	1.60	.80	.00	.40	.40	.40	.40	.40
22	1.20	2.00	.00	.40	1.20	1.20	1.20	1.20	.80	.80
23	.40	.40	1.60	1.60	.80	.40	.80	.80	1.20	.00
24	.40	.40	.40	.40	1.20	1.20	1.20	1.20	.80	1.60
25	.00	.00	.80	.80	.80	.80	.40	.00	.40	.80
26	2.40	1.60	.40	.00	.00	.40	.40	.80	.80	.40
27	2.40	2.80	4.00	3.60	2.80	2.40	2.40	2.00	1.60	1.60
28	.40	.40	.40	1.20	1.60	2.00	1.60	1.60	1.20	1.20
29	.80	1.20	1.20	.80	.40	.00	.40	.80	1.20	1.20
30	.40	.40	.00	.40	.80	.80	.80	.80	.40	.40
31	.40	.40	.40	.40	.40	.00	.00	.00	.40	.80
32	.40	.40	.80	.40	.40	.80	.80	.80	.80	.00
33	.40	.40	.40	.40	.40	.40	.00	.00	.00	.80
34	.00	.00	.00	.40	.40	.40	.80	.80	.40	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.40	.80
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	64.80	71.60	80.00	81.60	83.60	86.00	90.40	105.60	108.40	108.40

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	1.07	.98	.92	.29	.29	.41	.44	1.56	.34	.00
5	1.64	1.47	1.66	1.48	.96	.78	.91	1.00	2.50	.00
6	1.29	1.93	1.97	2.72	2.56	1.59	1.00	1.36	2.13	3.25
7	1.09	1.50	2.18	1.96	2.69	3.39	3.32	1.67	1.30	3.85
8	3.10	1.75	1.89	2.67	2.68	2.76	3.61	4.77	3.81	4.41
9	1.73	3.76	2.06	1.58	2.28	3.57	3.41	3.13	4.85	3.96
10	1.27	1.94	4.06	3.27	2.82	2.39	3.25	4.37	3.14	3.48
11	.52	1.29	3.73	4.87	4.04	3.47	3.24	2.60	4.96	6.66
12	.00	.63	.96	3.51	5.14	3.77	4.46	4.82	1.90	5.02
13	.37	.39	.73	1.84	3.39	5.08	5.34	3.59	7.80	3.06
14	.00	.00	.82	.86	2.55	5.70	3.39	6.50	1.75	5.88
15	.99	.52	.00	.47	.49	.48	4.86	4.96	6.29	5.46
16	1.18	1.18	.57	.59	.53	1.14	.00	2.72	6.10	5.09
17	.00	.62	1.27	.61	1.24	1.28	1.85	1.26	1.84	6.26
18	.70	.72	1.45	.69	.72	.00	.69	1.41	1.41	2.08
19	.79	.81	.00	1.57	.80	1.57	1.60	.80	.78	1.54
20	3.51	1.75	1.69	1.72	2.62	1.77	.86	.85	1.68	2.64
21	2.88	2.86	3.88	2.00	.00	.97	.93	.93	.95	1.00
22	3.19	5.33	.00	1.03	3.14	3.21	3.16	3.25	2.15	2.17
23	1.15	1.19	4.52	4.67	2.37	1.17	2.32	2.37	3.56	.00
24	1.30	1.31	1.24	1.27	3.77	3.73	3.77	3.83	2.56	5.02
25	.00	.00	2.68	2.72	2.76	2.72	1.37	.00	1.32	2.72
26	9.01	6.06	1.49	.00	.00	1.43	1.44	2.95	3.00	1.50
27	9.58	11.17	16.04	14.40	11.24	9.67	9.70	8.08	6.46	6.44
28	1.76	1.66	1.67	5.06	6.85	8.65	6.95	6.92	5.19	5.19
29	3.66	5.52	5.63	3.80	1.90	.00	1.78	3.62	5.44	5.53
30	1.96	2.00	.00	1.92	3.90	3.99	4.01	4.06	2.03	1.91
31	2.14	2.16	2.06	2.08	2.14	.00	.00	.00	2.04	4.19
32	2.23	2.28	4.51	2.22	2.23	4.44	4.45	4.48	4.55	.00
33	2.35	2.35	2.40	2.35	2.39	2.43	.00	.00	.00	4.71

34	.00	.00	.00	2.46	2.51	2.55	5.03	5.07	2.54	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	2.64	5.28
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	60.45	65.14	72.06	76.66	81.01	84.11	87.16	92.94	97.02	108.31

TABLE 2.11:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 11 AREA: 2.35 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.85	1.70	2.98	.85	.43	1.28	2.55	6.81	2.55	.00
5	2.13	.43	1.70	.43	.85	.43	1.28	2.55	6.81	.00
6	2.55	1.70	1.28	3.40	1.28	1.28	.85	.85	1.70	5.53
7	.43	3.40	1.28	1.28	2.98	1.28	1.28	.85	1.28	3.40
8	1.70	1.28	2.98	1.28	1.28	2.55	2.13	1.28	1.28	2.13
9	.43	.43	1.70	3.40	2.55	2.13	2.98	2.55	2.13	2.13
10	.43	.85	.00	1.28	2.13	2.13	2.13	1.70	1.70	2.55
11	1.28	.00	.85	.00	.43	1.70	1.28	1.28	1.28	1.70
12	.43	1.70	1.70	1.70	1.28	.85	1.28	.43	1.28	1.28
13	2.13	1.28	.85	.85	1.28	1.70	1.70	1.28	.85	.85
14	2.13	2.13	1.70	1.28	1.28	.85	.85	.43	.85	1.28
15	1.70	2.13	1.28	2.55	1.70	2.55	2.55	2.13	1.28	.85
16	1.28	.85	2.13	.85	1.70	1.28	.85	2.13	3.40	1.70
17	2.13	2.13	1.28	1.70	1.28	.85	1.70	.85	.43	2.98
18	3.40	2.55	3.83	2.98	1.70	.85	.43	.85	1.28	1.28
19	3.40	4.26	2.98	2.98	2.98	3.83	2.98	2.55	1.28	.85
20	2.98	2.55	3.83	3.83	3.83	3.83	4.68	4.26	3.40	1.70
21	.85	2.13	1.28	2.55	3.40	2.98	2.98	2.98	4.26	4.68
22	2.13	1.70	2.55	2.13	2.13	2.55	2.98	2.98	3.83	3.40
23	.85	1.28	1.70	1.70	2.55	2.13	1.28	2.13	2.13	3.40
24	2.13	1.70	1.28	1.28	1.28	2.13	2.98	3.40	1.70	1.70
25	1.28	1.70	1.70	2.13	1.70	1.70	.85	.43	2.13	3.40
26	.85	.85	.85	.85	1.28	1.70	2.13	2.55	2.13	1.28
27	.85	.85	.85	.85	.43	.43	.43	.00	.43	1.28
28	.43	.00	.43	.85	1.28	1.28	.85	.85	.85	.85
29	.85	1.28	.85	.85	.85	.85	1.28	1.28	.85	.00
30	.00	.00	.43	.43	.43	.43	.43	.43	.43	1.28
31	.43	.43	.43	.43	.43	.43	.43	.43	.85	.85
32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
33	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.43	.43	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.43	.43	.43	.43	.43	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.43	.43	.43
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	40.43	41.70	45.11	45.11	45.11	46.38	48.51	50.64	52.77	52.77

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.07	.16	.27	.09	.04	.11	.21	.62	.24	.00
5	.31	.06	.23	.06	.13	.06	.17	.35	.94	.00
6	.54	.33	.26	.65	.25	.26	.17	.17	.34	1.17
7	.11	.96	.36	.34	.80	.34	.33	.22	.34	.87
8	.61	.49	1.08	.48	.50	.87	.75	.45	.42	.77
9	.18	.20	.74	1.49	1.17	.92	1.30	1.12	.94	.89
10	.21	.47	.00	.47	1.17	1.18	1.17	.97	.92	1.38
11	.87	.00	.54	.00	.28	1.10	.82	.88	.84	1.10
12	.31	1.29	1.34	1.35	1.03	.67	.95	.36	.99	1.00
13	1.93	1.23	.80	.77	1.15	1.55	1.55	1.19	.83	.77

14	2.35	2.31	1.87	1.35	1.40	1.92	1.93	1.45	1.86	1.36
15	2.03	2.69	1.49	3.16	2.08	3.16	3.20	2.66	1.60	1.05
16	1.82	1.20	2.96	1.22	1.82	1.82	1.19	2.96	4.83	2.39
17	3.35	3.43	2.03	2.68	2.04	1.33	2.66	1.37	1.71	4.59
18	6.06	4.56	6.89	5.39	3.04	1.53	1.77	1.45	2.24	2.30
19	6.59	8.43	6.01	5.93	5.83	7.61	5.91	5.13	2.62	1.73
20	6.09	5.55	8.40	8.47	8.37	8.39	10.29	9.48	7.61	3.74
21	1.98	5.14	3.08	6.21	8.17	7.14	7.20	7.11	10.10	11.23
22	5.58	4.51	6.75	5.72	5.66	6.70	7.89	7.86	10.27	9.00
23	2.47	3.69	4.94	4.88	7.48	6.23	3.72	6.06	6.20	9.82
24	6.65	5.41	4.13	4.00	4.01	6.57	9.29	10.90	5.53	5.34
25	4.32	5.79	5.81	7.24	5.86	5.84	2.92	1.45	7.08	11.80
26	3.14	3.21	3.14	3.09	4.67	6.29	7.86	9.51	7.55	4.80
27	3.41	3.46	3.41	3.38	1.68	1.73	1.74	1.00	1.65	5.01
28	1.87	1.00	1.78	3.57	5.39	5.47	3.64	3.57	3.57	3.64
29	3.89	5.82	3.81	3.85	3.86	3.89	5.84	5.88	3.97	1.00
30	1.00	1.00	2.05	2.06	2.09	2.12	2.12	2.12	2.05	6.22
31	2.19	2.20	2.20	2.23	2.24	2.27	2.29	4.48	4.53	4.53
32	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
34	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
38	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	3.94	3.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	1.00	1.00	1.00	1.07	4.11	4.11	4.13	1.00	1.00	1.00
43	1.00	1.00	1.00	1.00	1.00	1.00	1.00	4.21	4.23	4.21
44	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
45	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
47	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
49	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL	73.35	76.59	80.41	44.16	46.86	40.07	51.01	90.79	94.26	100.73

TABLE 2.12:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 12 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	2.40	1.60	2.00	1.20	1.40	1.20	2.40	4.40	1.40	1.00
5	4.40	2.80	3.20	1.60	1.60	1.20	1.20	1.60	4.40	1.00
6	1.60	3.60	2.00	4.00	3.20	2.00	1.60	1.60	2.80	3.60
7	1.80	1.60	2.00	2.00	3.20	4.00	4.40	3.20	1.60	3.20
8	1.80	1.80	3.60	2.40	1.20	1.60	1.60	3.20	4.00	3.60
9	1.40	1.40	1.00	2.00	2.80	2.40	3.20	1.20	1.60	3.60
10	1.20	1.40	1.80	1.80	1.20	1.60	1.40	2.80	2.00	1.60
11	1.80	1.60	1.40	1.40	1.80	1.60	2.00	1.40	1.20	1.60
12	2.80	2.00	2.80	1.20	1.60	1.60	2.40	3.20	2.80	1.60
13	1.60	1.60	1.20	2.80	2.00	1.20	1.20	1.20	1.80	2.00
14	1.20	2.00	2.00	1.40	1.80	1.20	1.80	1.80	2.00	2.00
15	3.60	2.40	2.40	2.80	2.40	1.60	1.60	1.20	1.80	1.80
16	2.40	3.20	2.40	2.00	2.40	2.40	2.40	2.80	2.40	1.60
17	1.60	2.40	2.80	3.60	2.40	2.80	2.00	2.40	1.60	2.40
18	1.40	1.40	1.80	1.20	2.00	2.40	3.20	2.40	3.60	2.40
19	1.40	1.00	1.40	1.80	1.60	1.20	1.20	2.40	1.60	2.40
20	2.80	2.00	1.20	1.80	1.40	1.80	1.80	1.80	1.20	1.60
21	1.80	2.00	2.40	2.00	1.20	1.20	1.20	1.20	1.80	1.20
22	2.40	1.60	1.80	1.20	2.00	1.60	2.00	1.80	1.20	1.40
23	2.00	2.40	3.20	3.20	3.60	3.20	3.20	3.60	3.20	3.20
24	1.40	1.80	1.20	1.80	1.80	1.80	1.80	1.60	1.60	1.60
25	1.20	1.40	1.00	1.80	1.80	1.60	1.60	1.80	1.20	2.00
26	1.60	2.00	1.60	1.20	1.20	1.80	1.80	1.80	1.80	1.40
27	1.00	1.40	1.20	1.60	1.20	1.80	1.80	1.80	1.80	1.20
28	1.60	1.80	1.00	1.00	1.40	1.80	1.80	1.60	1.60	1.20
29	1.40	1.20	1.60	1.60	1.20	1.20	1.80	1.40	1.00	1.40
30	1.40	1.40	1.40	1.40	1.80	1.80	1.20	1.20	1.20	1.80
31	1.80	1.80	1.80	1.40	1.40	1.00	1.00	1.40	1.80	1.20
32	1.40	1.40	1.40	1.80	1.80	1.80	1.80	1.80	1.40	1.40
33	1.00	1.00	1.40	1.40	1.40	1.80	1.40	1.40	1.80	1.40
34	1.00	1.00	1.00	1.00	1.00	1.00	1.40	1.40	1.40	1.80
35	1.40	1.40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	1.00	1.00	1.40	1.40	1.00	1.00	1.00	1.00	1.00	1.00
37	1.00	1.00	1.00	1.00	1.40	1.40	1.00	1.00	1.00	1.00
38	1.00	1.00	1.00	1.00	1.00	1.00	1.40	1.40	1.40	1.00
39	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.40
40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
43	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
44	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
45	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
47	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
49	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
TOTAL	41.20	42.00	44.40	47.80	45.20	45.60	47.60	50.80	50.00	49.60

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.22	.14	.18	.12	.04	.10	.20	.41	.04	.00
5	.55	.38	.45	.21	.22	.18	.17	.22	.59	.00
6	.32	.74	.39	.77	.64	.39	.31	.30	.57	.75
7	.22	.45	.50	.54	.86	1.06	1.20	.87	.47	.88
8	.28	.30	1.26	.90	.45	.57	.55	1.10	1.39	1.29
9	.17	.19	.00	.89	1.24	1.06	1.46	.54	.69	1.57
10	.65	.22	.44	.47	.66	.90	.22	1.52	1.10	.91
11	.53	1.08	.27	.28	.50	1.07	1.38	.28	.79	1.03
12	2.21	1.60	2.24	.97	1.27	1.30	1.92	2.59	2.32	1.31
13	1.48	1.47	1.08	2.57	1.86	1.12	1.16	1.10	.73	1.80
14	1.26	2.13	2.19	.46	.82	1.30	.89	.82	2.08	2.13
15	4.45	2.51	3.03	3.43	2.99	2.05	2.04	1.47	.98	1.00
16	3.39	4.51	3.44	2.76	3.34	3.32	3.35	3.89	3.40	2.27
17	2.49	3.79	4.45	5.73	3.84	4.49	3.18	3.85	2.55	3.78
18	.71	.73	1.41	2.15	3.39	4.24	5.65	4.27	6.47	4.34
19	.81	.00	.75	1.53	3.11	2.40	2.35	4.75	3.23	4.68
20	6.16	4.44	2.70	1.82	.92	1.79	1.77	1.81	2.62	3.49
21	1.92	4.77	5.80	4.88	2.85	2.90	2.85	2.96	1.90	2.92
22	6.39	4.34	2.12	3.17	5.26	4.27	5.38	2.15	3.16	1.09
23	5.74	6.88	9.19	9.28	10.49	9.36	9.50	10.49	9.36	9.49
24	1.25	2.49	3.80	2.55	2.61	2.46	2.50	5.04	5.08	5.01
25	4.17	1.41	.00	2.65	2.69	5.44	5.53	2.73	4.11	7.00
26	5.87	7.30	5.83	4.44	4.48	3.03	3.05	2.87	2.96	1.52
27	.00	1.57	4.71	6.35	4.82	3.24	3.26	3.09	3.13	4.77
28	6.96	3.53	.00	.00	1.66	3.35	3.40	6.77	6.90	5.28
29	1.82	5.43	7.23	7.36	5.57	5.66	3.80	1.90	.00	1.81
30	1.91	1.98	1.91	1.96	3.93	3.97	5.92	5.85	5.86	3.90
31	4.23	4.29	4.22	2.11	2.16	.00	.00	2.04	4.14	6.34
32	2.26	2.30	2.19	4.43	4.43	4.44	4.47	4.52	2.25	2.26
33	.00	.00	2.35	2.39	2.45	4.77	2.35	2.40	4.77	2.42
34	.00	.00	.00	.00	.00	.00	2.48	2.49	2.55	5.12
35	2.66	2.73	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	2.83	2.91	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	2.99	3.04	.00	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	3.10	3.15	3.22	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.37
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	71.12	73.68	76.96	80.07	82.56	83.26	85.37	88.25	89.41	93.54

TABLE 2.13:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 13 AREA: 2.50 ACRES

SIEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	9.20	11.20	6.80	6.40	5.20	4.40	4.80	1.60	.40	.00
5	9.60	9.60	11.20	9.60	8.80	8.80	8.80	8.00	5.60	.40
6	8.80	8.00	10.80	10.00	9.60	8.00	7.60	8.80	10.40	10.00
7	3.60	6.80	5.60	9.60	10.80	11.60	6.80	6.40	7.20	10.80
8	4.00	3.60	6.80	4.00	4.80	6.00	12.00	12.00	7.20	4.40
9	2.80	3.60	3.20	6.00	5.60	4.80	3.20	5.20	10.00	6.00
10	.00	1.60	2.00	2.80	4.80	6.00	7.60	5.20	4.40	10.00
11	.80	.40	2.40	2.40	3.60	4.40	3.60	4.80	5.20	4.00
12	.00	.40	.00	1.60	.80	2.00	4.00	4.80	4.40	5.20
13	.40	.00	.40	.00	.80	1.20	.80	2.00	3.20	4.00
14	.80	.80	.80	1.20	.40	.40	.80	.40	1.20	2.80
15	2.00	2.00	1.20	.80	1.60	.80	.80	1.60	1.20	1.60
16	1.60	1.20	1.20	1.20	1.20	1.60	2.00	1.20	1.60	1.20
17	1.60	2.00	1.20	.00	.00	.00	.00	.80	1.20	1.60
18	2.40	2.80	1.20	2.00	1.20	.00	.00	.00	.00	.40
19	.40	.40	3.20	3.20	2.40	2.80	2.80	2.00	1.20	.80
20	1.20	.00	.40	.80	2.40	2.00	1.60	1.60	2.00	1.60
21	.80	1.60	.40	.40	.00	1.20	1.60	2.00	2.40	.80
22	1.20	1.20	2.00	1.60	1.20	1.20	.40	.80	.80	2.80
23	.40	.40	.80	1.20	1.20	.40	.80	.40	.40	.80
24	1.60	2.00	1.20	.40	1.20	1.20	1.20	1.20	.80	.40
25	2.00	1.20	.80	1.20	1.20	2.00	1.20	1.60	1.60	1.20
26	.00	.80	2.00	2.00	1.20	.80	1.60	.80	1.20	1.60
27	.80	.80	.40	.00	.80	1.20	.40	.80	.80	.80
28	1.20	1.20	1.20	1.20	1.20	1.20	2.00	1.20	.80	.80
29	1.60	1.60	.80	.80	.40	.40	.00	.80	1.20	1.20
30	.40	.40	1.60	2.00	2.40	1.60	1.60	.80	.40	.80
31	.80	.40	.40	.40	.40	1.20	.80	1.20	1.20	1.20
32	.40	.80	.00	.00	.00	.00	.40	.80	1.20	1.20
33	.40	.40	.80	.80	.80	.40	.40	.00	.00	.00

34	.80	.40	.80	.80	.40	.80	.40	.40	.40	.40
35	.00	.40	.40	.40	.80	.80	.80	1.20	.80	.40
36	.00	.00	.00	.00	.00	.00	.40	.40	.80	.80
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	61.60	68.00	72.00	74.80	77.20	79.20	81.20	80.80	81.20	80.40

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.77	1.08	.64	.61	.50	.42	.45	.17	.03	.00
5	1.31	1.33	1.53	1.34	1.25	1.23	1.28	1.14	.83	.05
6	1.72	1.56	2.18	2.00	1.95	1.63	1.54	1.72	2.05	2.08
7	.95	1.79	1.46	2.61	2.94	3.22	1.87	1.70	1.90	2.91
8	1.38	1.26	2.40	1.44	1.73	2.08	4.10	4.33	2.63	1.56
9	1.24	1.59	1.46	2.69	2.56	2.17	1.43	2.29	4.47	2.62
10	.00	.84	1.10	1.49	2.65	3.25	4.16	2.93	2.46	5.48
11	.54	.28	1.55	1.56	2.42	2.92	2.43	3.16	3.50	2.69
12	.00	.32	.00	1.22	.63	1.54	3.11	3.79	3.47	4.13
13	.39	.00	.38	.00	.70	1.16	.74	1.86	2.92	3.69
14	.82	.83	.87	1.33	.45	.46	.88	.45	1.25	2.98
15	2.46	2.52	1.52	1.02	1.96	1.00	.96	1.96	1.46	1.93
16	2.27	1.66	1.67	1.72	1.74	2.23	2.81	1.68	2.20	1.66
17	2.53	3.21	1.91	.00	.00	.00	.00	1.22	1.89	2.51
18	4.20	5.13	2.11	3.55	2.16	.00	.00	.00	.00	.71
19	.75	.76	6.26	6.39	4.72	5.46	5.61	4.05	2.45	1.63
20	2.72	.00	.86	1.74	5.25	4.35	3.54	3.50	4.38	3.55
21	2.00	3.89	.97	1.01	.00	2.80	3.80	4.79	5.89	1.87
22	3.19	3.22	5.28	4.32	3.18	3.19	1.09	2.12	2.18	7.38
23	1.19	1.12	2.33	3.50	3.51	1.17	2.31	1.13	1.16	2.34
24	4.97	6.28	3.78	1.27	3.80	3.68	3.76	3.78	2.51	1.25
25	6.96	4.24	2.65	4.09	4.13	6.84	4.09	5.47	5.45	4.12
26	.00	2.90	7.37	7.51	4.47	2.97	5.89	2.93	4.40	5.90
27	3.19	3.24	1.64	.00	3.16	4.85	1.61	3.17	3.21	3.12
28	5.12	5.22	5.17	5.07	5.12	5.16	8.55	5.14	3.42	3.43
29	7.38	7.52	3.71	3.66	1.80	1.81	.00	3.57	5.43	5.47
30	1.92	1.95	7.76	9.78	11.89	7.93	8.00	4.01	1.98	3.98
31	4.21	2.07	2.10	2.12	2.16	6.32	4.23	6.25	6.20	6.30
32	2.26	4.54	.00	.00	.00	.00	2.21	4.40	6.65	6.79
33	2.35	2.42	4.69	4.81	4.87	2.45	2.45	.00	.00	.00
34	5.06	2.49	5.01	5.13	2.58	5.13	2.58	2.46	2.48	2.49
35	.00	2.63	2.69	2.69	5.33	5.44	5.31	8.02	5.35	2.66
36	.00	.00	.00	.00	.00	.00	2.78	2.84	5.67	5.59
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.04
38	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	73.87	77.88	83.04	85.68	89.62	92.88	93.60	96.04	99.86	105.92

TABLE 2.14:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 14 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	3.20	4.00	1.20	2.80	2.00	5.20	8.80	16.40	6.80	.00
5	6.00	5.20	5.20	2.40	2.80	4.00	5.20	10.00	17.60	.00
6	3.60	6.80	6.40	5.20	4.80	2.40	3.20	4.00	8.40	16.80
7	1.60	1.20	4.80	5.60	6.00	7.60	6.00	3.20	3.20	14.40
8	1.20	1.60	1.20	4.00	4.00	3.60	4.40	6.40	6.00	6.00
9	.40	.80	.80	.80	3.20	3.60	4.40	2.80	3.20	6.80
10	1.20	.40	1.20	2.40	1.20	1.60	2.40	3.60	5.20	2.00
11	.00	.80	.80	.00	1.20	1.60	2.00	1.60	2.40	5.20
12	.00	.00	.40	.80	.00	.80	1.20	2.00	1.20	1.60
13	.40	.40	.40	.80	1.60	.00	.00	.80	1.20	1.20

14	.40	.00	.00	.00	.00	1.20	1.20	.00	.40	1.60
15	1.20	.80	.00	.00	.00	.00	.00	.80	.00	.00
16	.80	.80	1.20	.80	.00	.00	.00	.00	.80	.40
17	1.20	1.60	.00	.40	1.20	.80	.40	.00	.00	.40
18	.40	.80	2.40	.40	.00	.40	.80	.80	.80	.00
19	1.20	1.20	1.20	2.00	.80	.00	.00	.40	.40	1.20
20	.80	.80	.80	1.60	2.80	1.60	1.60	.80	.80	.40
21	1.20	.80	1.20	1.20	1.60	3.60	3.60	1.20	.80	.80
22	.40	.80	.40	.40	.00	.00	.00	2.40	2.40	1.20
23	.40	.80	.80	.40	.40	.40	.00	.00	.40	1.60
24	.00	.00	.40	1.20	1.60	1.20	.80	.40	.00	.40
25	.80	.40	.00	.00	.00	.40	1.20	.80	.80	.00
26	.80	.80	1.20	.80	.80	.40	.40	.80	1.20	1.60
27	.00	.40	.40	.40	.40	.80	.80	.40	.40	.80
28	1.20	1.20	.80	1.20	1.20	.40	.40	.40	.40	.40
29	1.20	.80	.40	.40	.00	.80	.80	1.20	.80	.40
30	.40	.40	1.20	1.20	.80	.80	.80	.40	.40	.00
31	.40	.80	.80	.80	1.60	1.20	1.20	1.20	1.20	1.20
32	.00	.00	.00	.00	.00	.40	.40	.80	1.20	1.60
33	.40	.40	.00	.00	.00	.00	.00	.00	.00	.00
34	.40	.40	.40	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.40	.80	.80	.80	.80	.40	.40	.40
36	1.20	.80	.80	.80	.40	.00	.00	.00	.00	.00
37	.40	.80	.80	.80	.80	.80	.80	.40	.40	.40
38	.00	.00	.00	.00	.40	.40	.40	.40	.40	.40
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	32.80	36.80	38.00	40.40	42.40	47.20	54.00	65.20	69.60	69.20

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.30	.35	.11	.26	.18	.45	.78	1.52	.65	.00
5	.84	.73	.71	.37	.35	.55	.68	1.36	2.43	.00
6	.69	1.36	1.33	1.04	1.00	.50	.63	.81	1.62	3.53
7	.43	.32	1.28	1.45	1.59	2.11	1.67	.91	.83	3.92
8	.42	.57	.43	1.39	1.39	1.27	1.49	2.27	2.15	2.07
9	.17	.33	.35	.33	1.43	1.59	1.94	1.29	1.42	3.01
10	.70	.21	.60	1.32	.68	.88	1.30	1.95	2.87	1.17
11	.00	.53	.55	.00	.79	1.04	1.34	1.02	1.62	3.41
12	.00	.00	.30	.67	.00	.61	.97	1.58	1.02	1.25
13	.39	.39	.39	.76	1.53	.00	.00	.74	1.11	1.16
14	.45	.00	.00	.00	.00	1.26	1.31	.00	.41	1.68
15	1.51	.98	.00	.00	.00	.00	.00	.99	.00	.00
16	1.16	1.15	1.65	1.15	.00	.00	.00	.00	1.08	.59
17	1.93	2.60	.00	.62	1.87	1.30	.66	.00	.00	.61
18	.74	1.41	4.26	.73	.00	.68	1.37	1.39	1.45	.00
19	2.34	2.36	2.44	3.91	1.59	.00	.00	.76	.78	2.31
20	1.77	1.76	1.75	3.46	6.08	3.43	3.53	1.75	1.76	.87
21	2.90	1.92	2.92	2.91	3.90	8.64	8.80	2.86	1.95	1.92
22	1.10	2.08	1.10	1.07	.00	.00	.00	6.15	6.30	3.15
23	1.18	2.35	2.33	1.17	1.11	1.17	.00	.00	1.14	4.59
24	.00	.00	1.22	3.68	5.04	3.89	2.49	1.23	.00	1.25
25	2.79	1.42	.00	.00	.00	1.33	4.07	2.75	2.71	.00
26	2.94	2.89	4.41	2.96	2.98	1.46	1.46	2.89	4.38	5.82
27	.00	1.57	1.63	1.54	1.59	3.17	3.18	1.59	1.61	3.19
28	5.12	5.21	3.46	5.19	5.28	1.77	1.66	1.67	1.67	1.70
29	5.50	3.76	1.81	1.86	.00	3.58	3.61	5.45	3.63	1.87
30	2.03	1.91	5.86	6.01	3.93	3.99	3.99	2.00	1.91	.00
31	2.15	4.22	4.25	4.26	8.43	6.32	6.37	6.29	6.20	6.24
32	.00	.00	.00	.00	.00	2.18	2.18	4.37	6.60	8.89
33	2.38	2.43	.00	.00	.00	.00	.00	.00	.00	.00
34	2.54	2.58	2.60	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	2.64	5.31	5.33	5.35	5.35	2.75	2.75	2.75
36	8.59	5.75	5.77	5.78	2.89	2.89	.00	.00	.00	.00
37	3.00	5.93	5.99	6.04	5.94	5.96	5.97	5.97	2.95	2.95
38	.00	.00	.00	.00	3.08	3.13	3.13	3.17	3.18	3.23
39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	56.05	59.07	62.15	65.26	68.00	70.50	70.04	67.48	68.21	73.15

TABLE 2.15:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 16 AREA: 2.00 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	7.20	6.80	7.60	5.20	6.00	8.00	9.60	9.60	2.40	1.00
5	8.40	9.60	7.60	9.60	8.00	8.40	9.60	12.00	10.80	1.00
6	2.80	6.40	8.40	9.20	9.60	8.00	6.80	8.40	1.40	12.00
7	.80	.80	3.60	4.80	4.80	9.20	11.20	7.60	4.80	13.60
8	1.20	.80	2.40	2.80	4.40	3.20	3.60	6.40	10.40	9.60
9	1.60	2.40	.40	2.00	2.80	3.20	3.60	4.40	4.40	6.80
10	1.20	.80	2.00	1.20	2.80	2.80	3.60	2.80	3.60	4.40
11	.80	.80	1.60	2.00	1.20	2.00	2.80	2.40	3.20	5.20
12	.40	.80	.40	1.20	2.00	1.20	1.20	3.60	1.20	1.60
13	1.60	.80	.80	1.00	1.00	1.20	1.60	.40	2.80	1.60
14	2.40	2.40	2.00	2.80	2.40	1.60	1.60	2.80	2.00	3.60
15	.80	1.60	1.60	.80	.80	1.20	.80	.80	1.60	1.60
16	1.60	.40	.80	1.20	1.20	1.20	1.20	1.20	.80	1.60
17	.80	1.60	1.60	1.60	.80	.80	.80	.80	1.60	.80
18	.40	.80	1.20	.40	1.60	1.20	1.20	1.20	.80	.80
19	2.80	2.00	1.20	2.40	1.60	1.20	1.60	1.20	1.60	1.60
20	1.60	2.00	2.80	2.40	2.80	3.60	2.80	2.00	1.20	.80
21	.40	.80	.80	1.20	1.20	.40	2.40	2.40	2.40	2.40
22	2.80	2.40	1.20	.80	1.20	2.00	1.60	1.60	2.00	2.40
23	.80	.80	2.00	2.00	1.20	.40	.80	.40	.80	1.60
24	2.00	2.00	2.00	2.00	2.00	2.80	2.40	2.00	2.00	1.80
25	1.20	1.20	1.20	1.60	1.60	1.20	1.20	.80	.40	1.20
26	1.20	1.60	1.60	1.60	1.60	1.20	1.60	2.40	2.80	2.00
27	.80	.40	.40	.40	.40	.80	.80	.80	.80	2.00
28	1.20	1.60	1.60	.80	1.20	1.20	1.20	.80	.40	1.00
29	.80	.40	.40	1.20	.80	.80	.40	.40	.00	.40
30	1.60	2.00	2.00	1.60	.80	.40	.80	.40	.80	.80
31	.40	.40	.40	.40	1.20	1.60	1.60	2.00	1.60	.80
32	.80	.80	.80	.40	.00	.00	.00	.00	.40	1.20
33	.00	.00	.00	.40	.80	.80	.80	.80	.80	.80
34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	.80	.80	.80	.80	.80	.00	.00	.00	.00	.00
40	.00	.40	.40	.40	.00	.80	.80	.80	.80	.40
41	.00	.00	.00	.00	.40	.40	.40	.40	.40	.40
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	51.60	56.40	61.60	65.20	68.00	72.80	79.20	83.60	83.60	82.80

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	1.64	.60	1.66	1.47	1.56	1.72	1.88	1.86	1.25	1.00
5	1.15	1.34	1.06	1.31	1.15	1.17	1.34	1.70	1.51	1.00
6	.51	1.27	1.67	1.87	1.99	1.66	1.32	1.67	2.76	2.57
7	.21	.22	.93	1.29	1.26	2.50	3.05	2.12	1.30	3.71
8	.42	.27	.83	.98	1.51	1.16	1.28	2.17	3.56	3.44
9	1.68	1.12	.20	.86	1.25	1.44	1.53	1.93	1.97	3.07
10	.65	1.45	1.10	.65	1.53	1.60	2.00	1.55	1.97	2.33
11	1.49	1.49	1.02	1.30	.82	1.26	1.89	1.51	2.09	3.40
12	1.34	1.63	1.34	1.93	1.59	.92	.92	2.88	.94	1.22
13	1.49	1.75	1.77	1.00	1.00	1.08	1.52	1.40	2.54	1.46
14	2.57	2.55	2.10	2.99	2.61	1.73	1.73	3.02	2.16	3.87
15	.98	1.96	2.01	1.00	.98	1.48	1.00	1.03	1.94	1.96
16	2.31	1.57	1.07	1.65	1.66	1.70	1.69	1.73	1.11	2.25
17	1.27	2.50	2.53	2.58	1.25	1.29	1.25	1.30	2.56	1.29
18	.69	1.39	2.17	.68	2.79	2.12	2.08	2.12	1.47	1.43
19	5.56	4.01	2.39	4.69	3.18	2.36	3.19	2.39	3.19	3.13
20	3.46	4.30	6.12	5.33	6.19	7.94	6.20	4.43	2.68	1.72
21	1.93	1.89	1.95	2.94	2.93	.97	2.91	5.72	5.75	5.71
22	7.43	6.49	3.23	2.14	3.22	6.30	4.23	4.30	5.30	6.31
23	2.34	2.31	5.78	5.83	3.52	1.17	2.30	1.11	2.26	4.58
24	6.24	6.24	6.35	6.34	6.34	8.85	7.55	6.32	6.42	2.58
25	4.09	4.06	4.15	5.53	5.55	4.21	4.15	2.74	1.39	4.07
26	4.35	5.82	5.91	6.98	5.97	4.42	5.88	8.44	10.40	7.56
27	1.59	1.63	1.64	1.66	1.66	3.11	3.12	3.15	3.18	7.89
28	5.25	6.98	7.06	3.52	5.29	5.23	5.24	3.51	1.75	1.00
29	3.67	1.81	1.83	5.52	3.71	3.76	1.89	1.90	.00	1.80
30	7.89	9.90	10.00	8.05	3.97	2.00	3.94	1.94	3.90	3.91
31	2.07	2.07	2.07	2.06	6.18	8.33	8.35	10.51	8.45	4.19
32	4.41	4.48	4.55	2.30	.00	.00	.00	.00	2.18	6.58
33	.00	.00	.00	2.32	4.69	4.71	4.71	4.72	4.72	4.75

34	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
38	3.23	.00	.00	.00	.00	.00	.00	.00	.00	.00
39	6.74	6.62	6.71	6.74	6.77	.00	.00	.00	.00	.00
40	.00	3.46	3.51	3.56	.00	6.89	6.88	6.95	6.96	3.56
41	.00	.00	.00	.00	3.61	3.67	3.67	3.67	3.67	3.63
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	85.26	88.15	91.69	93.02	93.53	94.77	97.72	98.17	100.35	103.96

TABLE 2.16:

SUMMARY FOR PLOT NO. 61 SUBPLOT NO. 27 AREA: 2.50 ACRES

STEM COUNT PER ACRE

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.40	.40	2.00	2.40	4.40	5.60	6.00	5.60	2.00	.00
5	.00	.40	.80	1.20	2.40	3.20	6.00	8.00	8.00	.00
6	.00	.00	.00	.80	1.60	1.20	1.20	2.80	4.80	7.60
7	.00	.00	.00	.00	.40	1.60	1.20	.80	2.00	6.00
8	.80	.80	.40	.00	.00	.80	1.60	1.60	1.20	2.80
9	.00	.00	.40	.80	.80	.40	.80	1.20	1.20	1.60
10	.80	.00	.00	.00	.00	.40	.40	.80	.80	1.60
11	.40	1.20	.80	.00	.00	.00	.00	.00	.80	.80
12	.40	.00	.40	.80	.40	.00	.00	.00	.00	.00
13	1.20	.80	.00	.00	.40	.40	.00	.00	.00	.40
14	.80	.40	.80	.40	.40	.00	.40	.40	.00	.00
15	2.00	2.00	.40	.80	.40	.80	.40	.00	.40	.40
16	.80	1.60	2.80	.40	.40	.40	.40	.80	.80	.40
17	2.40	.80	1.20	2.40	1.60	.80	1.20	.80	.40	.80
18	.40	2.00	1.20	.80	2.00	2.00	.80	1.20	1.20	.40
19	1.20	.80	1.20	2.00	1.20	1.20	1.60	.40	.80	1.20
20	.40	.40	.80	1.60	1.20	1.60	2.00	2.80	2.40	1.60
21	1.60	.80	.80	.40	1.20	1.60	1.20	.80	1.20	1.20
22	.40	1.60	.80	.80	.80	.40	1.20	1.20	.80	1.20
23	1.20	1.20	1.60	1.20	.80	.40	.40	1.20	1.20	.80
24	.40	.40	1.20	1.20	1.60	1.60	1.20	.80	1.20	1.20
25	2.80	1.60	.80	.80	1.20	1.20	1.20	1.20	.40	.80
26	.40	2.00	1.60	2.00	1.20	1.60	1.60	1.20	2.00	1.60
27	.40	.40	1.20	1.60	1.60	1.20	1.60	1.60	.40	.80
28	.40	.00	.40	.00	.80	1.20	.80	.80	2.00	2.00
29	.00	.40	.40	.80	.80	.80	1.20	.80	.80	.80
30	.40	.40	.40	.00	.00	.40	.40	1.20	1.20	.80
31	.40	.40	.40	.40	.40	.40	.40	.40	.40	1.20
32	1.20	.80	.80	.40	.40	.40	.40	.40	.40	.40
33	.80	.80	.80	1.20	.80	.80	.40	.40	.40	.40
34	.00	.00	.00	.00	.00	.00	.40	.40	.40	.40
35	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	.40	.40	.40	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	.40	.40	.40	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	.40	.40	.40
39	.40	.40	.40	.40	.40	.40	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	23.20	23.20	25.20	26.00	30.00	33.20	36.80	40.00	40.00	39.60

BASAL AREA PER ACRE IN SQ. FT.

DIA CLASS (IN.)	1920	1925	1930	1935	1940	1945	1950	1955	1960	1970
4	.04	.03	.16	.23	.39	.51	.54	.51	.21	.00
5	.00	.05	.11	.16	.34	.40	.79	1.08	1.12	.00
6	.00	.00	.00	.15	.33	.25	.24	.54	.91	1.60
7	.00	.00	.00	.00	.10	.43	.32	.22	.53	1.59
8	.29	.31	.16	.00	.00	.27	.53	.56	.42	.98
9	.00	.00	.17	.34	.37	.18	.35	.52	.54	.69
10	.45	.00	.00	.00	.00	.21	.22	.46	.41	.90
11	.28	.82	.57	.00	.00	.00	.00	.00	.51	.55
12	.34	.00	.29	.63	.31	.00	.00	.00	.00	.00
13	1.11	.78	.00	.00	.36	.39	.00	.00	.00	.35

14	.89	.45	.86	.43	.46	.00	.41	.44	.00	.00
15	2.43	2.49	.49	.99	.50	1.00	.52	.00	.47	.52
16	1.12	2.25	3.95	.57	.55	.58	.54	1.10	1.15	.57
17	3.78	1.31	1.96	3.75	2.53	1.25	1.91	1.28	.64	1.28
18	.71	3.50	2.22	1.37	3.57	3.63	1.45	2.16	2.15	.71
19	2.42	1.60	2.31	3.92	2.45	2.42	3.16	.78	1.57	2.35
20	.92	.88	1.68	3.46	2.60	3.49	.436	6.07	5.33	3.54
21	3.88	1.92	1.92	1.00	2.81	3.94	2.94	1.91	2.97	2.90
22	1.03	.421	2.12	2.12	2.06	1.05	3.17	3.17	2.17	3.17
23	3.42	3.45	.457	3.52	2.32	1.11	1.13	3.44	3.56	2.32
24	1.28	1.24	3.77	3.71	5.01	.499	3.76	2.49	3.77	3.82
25	9.58	5.54	2.80	2.68	.417	.406	.406	.409	1.36	2.72
26	1.47	7.39	5.91	7.34	.449	6.06	6.00	.439	7.40	5.96
27	1.63	1.65	.471	6.43	6.39	.474	6.40	6.46	1.63	3.21
28	1.77	.00	1.77	.00	3.43	5.13	3.45	3.37	8.48	8.63
29	.00	1.82	1.85	3.71	3.78	3.71	5.57	3.64	3.69	3.73
30	1.98	1.98	1.98	.00	.00	1.94	1.96	5.85	5.96	3.86
31	2.04	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.07	6.22
32	6.70	.451	.454	2.28	2.29	2.29	2.30	2.30	2.30	2.30
33	.471	.475	.478	7.14	.477	.480	2.35	2.35	2.36	2.36
34	.00	.00	.00	.00	.00	.00	2.46	2.49	2.51	2.55
35	2.75	.00	.00	.00	.00	.00	.00	.00	.00	.00
36	.00	2.81	2.84	2.91	.00	.00	.00	.00	.00	.00
37	.00	.00	.00	.00	2.97	3.00	3.07	.00	.00	.00
38	.00	.00	.00	.00	.00	.00	.00	3.13	3.15	3.23
39	3.28	3.34	3.35	3.39	3.40	3.40	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
46	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
48	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL	60.30	61.13	63.93	64.30	64.84	67.29	66.02	66.88	69.33	72.60

Section 3: COMPOSITE STAND AND STOCK TABLES

3.1: Stand Tables

TABLE 3.1.1: STAND TABLE BASED ON 1920 INVENTORY

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	4.35	.39	4.22	.00
5	4.70	.65	6.54	.00
6	3.16	.63	6.48	.00
7	1.95	.52	5.71	.00
8	2.07	.72	8.60	.00
9	1.34	.59	7.64	.00
10	.71	.39	5.51	.00
11	.88	.59	9.06	.00
12	.71	.56	9.45	28.06
13	1.01	.94	17.34	57.56
14	1.04	1.12	22.55	80.76
15	1.37	1.68	35.71	134.81
16	1.21	1.72	39.57	157.07
17	1.57	2.48	58.91	240.39
18	1.26	2.25	57.19	252.13
19	1.39	2.74	72.73	342.51
20	1.54	3.39	94.23	470.40
21	1.21	2.91	83.74	434.26
22	1.24	3.30	101.06	547.04
23	1.06	3.06	96.52	535.78
24	.99	3.09	100.99	574.25
25	1.06	3.63	122.94	714.67
26	.76	2.80	97.85	579.00
27	.68	2.73	96.70	578.98
28	.68	2.96	108.77	661.90
29	.66	3.02	111.98	685.88
30	.48	2.36	90.00	557.59
31	.43	2.26	87.65	547.36
32	.38	2.12	82.71	518.98
33	.20	1.20	47.80	302.20
34	.20	1.29	51.82	329.58
35	.08	.51	20.59	131.47
36	.13	.90	36.87	236.47
37	.10	.77	31.68	204.04
38	.05	.41	17.05	110.26
39	.08	.63	26.51	171.75
40	.03	.23	9.52	61.87
41	.03	.23	9.87	64.25
42	.03	.25	10.47	68.36
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	40.81	62.04	1904.53	10379.60

TABLE 3.1.3: STAND TABLE BASED ON 1930 INVENTORY

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	5.23	.47	5.06	.00
5	5.99	.82	8.33	.00
6	4.88	.98	10.10	.00
7	3.24	.86	9.45	.00
8	2.78	.99	11.86	.00
9	1.92	.86	11.15	.00
10	1.57	.87	12.11	.00
11	1.59	1.06	16.05	.00
12	.99	.78	12.99	38.86
13	.81	.75	13.72	45.74
14	1.16	1.25	25.04	89.54
15	.91	1.13	24.17	91.72
16	1.16	1.64	37.12	146.49
17	1.34	2.14	51.38	211.55
18	1.54	2.75	69.22	305.31
19	1.37	2.69	71.43	336.34
20	1.39	3.04	84.26	419.31
21	1.44	3.49	100.46	522.58
22	1.29	3.39	100.83	540.87
23	1.42	4.09	128.48	712.81
24	.99	3.11	101.14	575.09
25	1.04	3.53	117.78	681.88
26	.99	3.65	126.03	743.78
27	.86	3.43	122.69	736.12
28	.53	2.28	83.62	508.11
29	.66	3.01	111.10	679.50
30	.73	3.60	135.97	840.35
31	.40	2.13	81.95	510.97
32	.38	2.12	82.70	518.85
33	.25	1.49	59.35	375.01
34	.23	1.44	58.06	369.10
35	.15	1.02	41.32	263.86
36	.15	1.09	44.67	286.64
37	.08	.57	23.69	152.54
38	.03	.20	8.18	52.81
39	.10	.85	35.38	229.22
40	.05	.45	18.83	122.47
41	.00	.00	.00	.00
42	.03	.24	10.12	65.96
43	.03	.26	10.92	71.45
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	49.68	68.52	2076.69	11244.53

TABLE 3.1.2: STAND TABLE BASED ON 1925 INVENTORY

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	5.69	.51	5.49	.00
5	4.85	.68	6.84	.00
6	4.20	.83	8.56	.00
7	3.63	.71	7.79	.00
8	2.02	.72	8.56	.00
9	1.92	.86	11.09	.00
10	1.14	.62	8.64	.00
11	.81	.54	8.34	.00
12	.86	.68	11.28	33.37
13	.88	.82	14.99	49.73
14	1.09	1.16	23.27	83.00
15	1.19	1.48	31.86	121.17
16	1.16	1.65	37.46	147.89
17	1.59	2.54	60.74	249.17
18	1.37	2.43	61.71	271.94
19	1.29	2.55	67.72	319.57
20	1.31	2.86	79.12	392.98
21	1.69	4.08	116.81	605.87
22	1.11	2.96	90.20	487.73
23	1.24	3.58	112.35	623.27
24	1.09	3.42	111.37	633.14
25	.88	3.03	102.11	592.99
26	1.01	3.73	129.58	765.52
27	.71	2.84	101.79	611.35
28	.56	2.40	87.47	530.87
29	.83	3.84	142.21	871.52
30	.51	2.49	94.58	585.44
31	.48	2.53	98.11	612.77
32	.35	2.00	78.13	490.69
33	.23	1.35	53.77	339.74
34	.20	1.29	51.92	330.19
35	.10	.67	27.32	174.35
36	.13	.90	36.96	237.11
37	.13	.95	39.48	254.24
38	.00	.00	.00	.00
39	.10	.84	34.94	226.20
40	.05	.44	18.68	121.36
41	.03	.24	9.97	64.74
42	.00	.00	.00	.00
43	.03	.25	10.67	69.73
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	45.46	65.47	2001.87	10897.73

TABLE 3.1.4: STAND TABLE BASED ON 1935 INVENTORY

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	3.79	.36	3.80	.00
5	5.31	.74	7.45	.00
6	6.07	1.21	12.54	.00
7	4.22	1.13	12.35	.00
8	2.96	1.04	12.43	.00
9	2.40	1.07	13.69	.00
10	2.02	1.10	15.28	.00
11	1.54	1.02	15.31	.00
12	1.74	1.37	22.84	67.81
13	.94	.86	15.58	51.83
14	1.04	1.12	22.57	80.96
15	1.11	1.37	28.88	108.90
16	.88	1.25	28.58	113.17
17	1.26	2.00	47.77	195.26
18	1.37	2.44	60.81	267.99
19	1.64	3.24	86.22	406.45
20	1.39	3.06	85.24	425.77
21	1.47	3.57	102.71	535.17
22	1.39	3.69	109.90	590.97
23	1.44	4.19	131.32	729.28
24	1.01	3.19	103.27	586.61
25	1.11	3.81	126.51	732.22
26	.96	3.57	123.40	728.66
27	.88	3.52	124.15	742.23
28	.66	2.81	103.03	626.06
29	.61	2.79	104.39	640.37
30	.76	3.74	140.14	864.93
31	.46	2.40	91.93	572.58
32	.30	1.69	66.08	415.02
33	.35	2.09	82.62	521.18
34	.20	1.29	52.01	330.81
35	.15	1.02	41.27	263.55
36	.18	1.27	52.04	333.96
37	.08	.57	23.45	150.91
38	.05	.39	16.27	104.97
39	.10	.85	35.68	231.23
40	.05	.45	18.98	123.49
41	.00	.00	.00	.00
42	.03	.24	10.22	66.65
43	.00	.00	.00	.00
44	.03	.26	11.13	72.82
45	.00	.00	.00	.00
TOTAL	51.96	71.77	2161.73	11681.30

TABLE 3.1.5:

STAND TABLE BASED ON 1940 INVENTORY

DIAETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	3.16	.30	3.14	.00
5	4.91	.69	7.02	.00
6	5.22	1.12	12.27	.00
7	5.23	1.42	15.63	.00
8	3.39	1.19	14.08	.00
9	2.91	1.30	16.74	.00
10	2.53	1.40	19.59	.00
11	1.74	1.17	17.57	.00
12	1.62	1.29	21.66	64.34
13	1.47	1.36	24.45	81.09
14	1.01	1.10	22.10	79.53
15	1.01	1.25	26.60	100.01
16	.94	1.30	29.34	115.53
17	1.19	1.29	45.04	184.02
18	1.19	2.11	53.20	234.12
19	1.49	2.94	71.56	364.77
20	1.59	3.43	96.56	480.66
21	1.44	3.43	99.81	516.60
22	1.54	4.12	122.75	661.43
23	1.42	4.11	127.36	700.28
24	1.31	4.16	135.20	769.01
25	.86	3.05	102.42	594.45
26	.96	3.57	122.21	720.22
27	.99	3.93	138.34	826.49
28	.76	3.26	119.52	726.46
29	.43	1.92	73.73	452.77
30	.73	3.63	136.72	844.87
31	.56	2.93	111.47	693.04
32	.35	1.97	76.23	481.46
33	.35	2.12	84.28	533.09
34	.10	.64	25.78	163.88
35	.20	1.35	54.68	349.01
36	.13	.90	36.73	230.52
37	.13	.94	38.81	249.68
38	.08	.59	24.51	156.11
39	.10	.26	35.87	232.58
40	.03	.23	9.52	61.87
41	.03	.23	9.52	62.05
42	.03	.24	10.32	67.43
43	.00	.00	.00	.00
44	.00	.27	11.28	73.85
45	.00	.00	.00	.00
TOTAL	53.78	73.29	2101.20	11286.73

TABLE 3.1.6:

STAND TABLE BASED ON 1945 INVENTORY

DIAETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	3.26	.47	5.02	.00
5	4.50	.64	6.51	.00
6	3.16	1.04	10.23	.00
7	6.04	1.65	18.23	.00
8	4.27	1.50	17.75	.00
9	3.26	1.46	18.80	.00
10	2.50	1.38	19.23	.00
11	2.12	1.40	20.93	.00
12	1.92	1.51	24.99	74.10
13	1.54	1.43	25.95	86.26
14	1.47	1.52	31.27	112.17
15	.91	1.13	24.11	91.49
16	1.14	1.50	36.23	140.34
17	.99	1.57	37.69	154.68
18	1.09	1.93	42.36	212.40
19	1.44	2.24	75.09	353.44
20	1.62	3.54	98.61	491.47
21	1.49	3.61	102.85	539.25
22	1.52	4.04	121.19	654.40
23	1.37	3.96	121.88	673.77
24	1.26	3.96	127.22	720.51
25	1.04	3.53	117.24	622.68
26	1.04	3.24	130.47	766.90
27	1.09	4.36	152.75	912.34
28	.81	3.42	127.15	772.40
29	.63	2.44	90.85	556.61
30	.61	3.01	113.23	704.02
31	.58	3.05	116.45	724.59
32	.43	2.40	93.13	523.57
33	.35	2.11	83.00	527.15
34	.15	.96	32.47	244.44
35	.23	1.53	62.05	396.06
36	.10	.72	29.78	191.10
37	.13	.95	39.14	251.95
38	.05	.40	16.42	105.95
39	.03	.21	8.34	57.81
40	.06	.66	27.80	180.51
41	.03	.23	9.77	63.57
42	.03	.24	10.32	67.43
43	.00	.00	.00	.00
44	.03	.27	11.28	74.88
45	.00	.00	.00	.00
TOTAL	54.26	76.64	2472.74	12163.06

TABLE 3.1.7:

STAND TABLE BASED ON 1950 INVENTORY

DIAETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	10.22	.92	10.50	.00
5	5.97	.82	8.26	.00
6	4.85	.97	10.07	.00
7	5.49	1.30	16.50	.00
8	5.51	1.92	22.67	.00
9	3.41	1.52	19.56	.00
10	3.11	1.71	23.78	.00
11	2.20	1.42	22.30	.00
12	2.12	1.68	27.28	23.63
13	1.59	1.43	27.13	94.92
14	1.54	1.66	32.78	117.49
15	1.06	1.31	27.76	104.72
16	1.09	1.52	34.63	136.72
17	1.09	1.73	41.40	169.08
18	.94	1.66	41.24	180.44
19	1.47	2.90	76.22	362.37
20	1.59	3.51	97.50	487.04
21	1.31	3.19	91.11	474.40
22	1.49	3.96	117.58	634.89
23	1.49	4.33	139.29	736.95
24	1.29	4.04	128.99	729.40
25	1.09	3.71	123.05	715.10
26	.94	3.45	118.14	690.37
27	1.06	4.24	147.95	822.06
28	.86	3.21	137.24	835.26
29	.42	2.21	82.18	504.66
30	.66	3.26	123.32	764.78
31	.53	2.79	107.22	667.39
32	.43	2.40	93.27	584.50
33	.33	1.95	76.43	481.31
34	.25	1.27	50.89	323.19
35	.14	1.03	42.29	302.00
36	.10	.72	29.50	189.18
37	.13	.96	39.06	251.31
38	.08	.59	24.55	153.44
39	.03	.21	8.32	57.81
40	.08	.66	27.75	180.18
41	.03	.23	9.77	63.57
42	.03	.25	10.37	67.68
43	.00	.00	.00	.00
44	.03	.27	11.28	74.88
45	.00	.00	.00	.00
TOTAL	66.70	73.03	2432.48	12109.25

TABLE 3.1.8:

STAND TABLE BASED ON 1955 INVENTORY

DIAETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	14.16	1.32	14.02	.00
5	10.35	1.55	16.69	.00
6	5.22	1.13	11.70	.00
7	4.03	1.38	15.21	.00
8	6.27	2.22	26.39	.00
9	4.84	1.69	21.77	.00
10	3.31	1.22	25.37	.00
11	2.34	1.56	23.31	.00
12	2.60	2.06	34.24	102.63
13	1.57	1.44	25.25	20.95
14	1.22	1.97	32.77	138.97
15	1.37	1.68	35.34	139.06
16	1.24	1.74	39.14	158.02
17	.86	1.41	33.92	139.09
18	1.11	1.97	49.15	210.20
19	1.39	2.76	72.86	344.19
20	1.42	3.12	86.42	431.53
21	1.39	3.34	95.61	495.47
22	1.43	3.96	117.47	631.17
23	1.59	4.62	142.32	736.49
24	1.39	4.40	140.43	790.45
25	.99	3.36	111.15	542.24
26	1.06	3.90	133.03	781.81
27	.99	3.93	136.68	814.08
28	.83	3.57	123.66	778.05
29	.66	2.67	98.71	604.27
30	.61	3.00	113.62	702.60
31	.53	2.78	106.65	664.14
32	.46	2.54	98.38	610.80
33	.22	1.65	64.87	409.04
34	.25	1.58	62.22	396.06
35	.18	1.19	48.50	309.27
36	.10	.72	29.54	189.10
37	.13	.75	31.21	199.43
38	.06	.73	33.03	219.23
39	.00	.00	.00	.00
40	.67	.67	27.95	181.53
41	.03	.23	9.77	63.57
42	.00	.00	.00	.00
43	.03	.25	10.37	67.68
44	.00	.00	.00	.00
45	.03	.27	11.28	74.88
TOTAL	74.63	81.02	2321.58	12166.43

TABLE 3.1.9:

STANO TABLE BASED ON 1960 INVENTORY

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	3.69	.37	3.85	.00
5	15.93	2.20	22.25	.00
6	11.10	2.19	22.60	.00
7	4.83	1.29	14.13	.00
8	6.25	2.20	26.21	.00
9	5.18	2.31	29.67	.00
10	3.36	1.85	25.70	.00
11	3.26	2.17	32.64	.00
12	2.20	1.75	29.80	88.18
13	2.10	1.94	35.72	117.86
14	1.57	1.69	33.46	119.79
15	1.67	2.04	42.97	161.56
16	1.42	1.98	44.35	173.58
17	1.04	1.63	39.24	160.77
18	1.19	2.12	53.38	235.65
19	1.21	2.42	64.25	304.67
20	1.31	2.89	80.18	400.03
21	1.52	3.66	105.65	549.20
22	1.47	3.90	115.96	623.69
23	1.52	4.41	136.88	758.43
24	1.39	4.40	140.35	794.26
25	1.21	4.14	136.37	787.23
26	1.16	4.31	149.30	881.68
27	.83	3.34	118.02	706.32
28	.94	4.01	145.00	878.27
29	.51	2.32	84.96	518.67
30	.53	2.61	99.19	613.96
31	.66	3.43	132.09	823.31
32	.40	2.26	88.20	553.39
33	.35	2.10	82.87	522.85
34	.25	1.59	63.18	400.37
35	.18	1.20	48.64	310.81
36	.13	.90	36.97	237.12
37	.10	.76	31.34	201.76
38	.10	.80	33.37	215.55
39	.00	.00	.00	.00
40	.08	.67	28.00	181.87
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.03	.25	10.62	69.39
44	.00	.00	.00	.00
45	.03	.27	11.58	75.91
TOTAL	80.68	84.37	2398.91	12466.80

3.2: Mortality Tables

TABLE 3.2.1:

MORTALITY BETWEEN 1920 AND 1925 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.00	.00	.00	.00
6	.00	.00	.00	.00
7	.00	.00	.00	.00
8	.00	.00	.00	.00
9	.00	.00	.00	.00
10	.00	.00	.00	.00
11	.00	.00	.00	.00
12	.00	.00	.00	.00
13	.00	.00	.00	.00
14	.00	.00	.00	.00
15	.00	.00	.00	.00
16	.00	.00	.00	.00
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.00	.00	.00	.00
20	.00	.00	.00	.00
21	.00	.00	.00	.00
22	.00	.00	.00	.00
23	.00	.00	.00	.00
24	.00	.00	.00	.00
25	.00	.00	.00	.00
26	.00	.00	.00	.00
27	.00	.00	.00	.00
28	.00	.00	.00	.00
29	.00	.00	.00	.00
30	.00	.00	.00	.00
31	.00	.00	.00	.00
32	.00	.00	.00	.00
33	.00	.00	.00	.00
34	.00	.00	.00	.00
35	.00	.00	.00	.00
36	.00	.00	.00	.00
37	.00	.00	.00	.00
38	.00	.00	.00	.00
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.00	.00	.00	.00

TABLE 3.1.10:

STANO TABLE BASED ON 1970 INVENTORY

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.03	.00	.03	.00
6	12.87	2.72	28.41	.00
7	14.89	4.00	43.95	.00
8	8.65	3.03	35.99	.00
9	6.17	2.74	35.23	.00
10	4.65	2.56	35.60	.00
11	3.69	2.44	36.65	.00
12	3.03	2.41	39.90	119.79
13	2.17	2.02	37.26	123.64
14	2.07	2.23	44.43	158.96
15	1.62	2.00	42.45	160.28
16	1.52	2.13	47.78	187.17
17	1.47	2.30	54.49	221.34
18	.94	1.66	41.81	183.71
19	1.34	2.64	69.07	324.66
20	1.19	2.60	71.52	355.69
21	1.42	3.40	97.77	507.10
22	1.42	3.75	112.25	603.90
23	1.39	4.04	124.26	687.08
24	1.52	4.78	152.79	865.25
25	1.26	4.34	142.37	821.77
26	1.21	4.47	152.18	894.39
27	.96	3.83	134.93	806.46
28	.94	4.03	145.64	881.93
29	.51	2.33	86.18	527.64
30	.48	2.36	88.21	543.71
31	.66	3.44	133.13	830.91
32	.40	2.26	88.27	553.94
33	.30	1.81	71.62	452.04
34	.28	1.76	70.97	451.18
35	.15	1.02	40.71	258.90
36	.15	1.07	43.10	275.08
37	.13	.95	39.43	253.91
38	.05	.41	17.05	110.26
39	.03	.21	8.92	57.81
40	.05	.45	18.98	123.39
41	.03	.23	9.67	62.89
42	.00	.00	.00	.00
43	.03	.25	10.57	69.05
44	.00	.00	.00	.00
45	.03	.28	11.68	76.59
TOTAL	79.67	88.99	2465.20	12550.41

TABLE 3.2.2:

MORTALITY BETWEEN 1925 AND 1930 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.00	.00	.00	.00
6	.05	.01	.10	.00
7	.00	.00	.00	.00
8	.00	.00	.00	.00
9	.03	.01	.16	.00
10	.00	.00	.00	.00
11	.03	.02	.28	.00
12	.00	.00	.00	.00
13	.00	.00	.00	.00
14	.00	.00	.00	.00
15	.00	.00	.00	.00
16	.03	.03	.85	3.46
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.00	.00	.00	.00
20	.05	.11	3.02	14.93
21	.03	.06	1.76	9.08
22	.00	.00	.00	.00
23	.00	.00	.00	.00
24	.05	.16	5.20	29.58
25	.00	.00	.00	.00
26	.00	.00	.00	.00
27	.00	.00	.00	.00
28	.00	.00	.00	.00
29	.05	.23	8.79	54.07
30	.03	.12	4.77	29.34
31	.03	.13	5.04	31.44
32	.00	.00	.00	.00
33	.00	.00	.00	.00
34	.00	.00	.00	.00
35	.00	.00	.00	.00
36	.00	.00	.00	.00
37	.03	.19	7.94	51.17
38	.00	.00	.00	.00
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.38	1.08	37.92	223.29

TABLE 3.2.3:
MORTALITY BETWEEN 1935 AND 1940 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.03	.00	.03	.00
5	.05	.01	.07	.00
6	.05	.01	.11	.00
7	.03	.01	.07	.00
8	.00	.00	.00	.00
9	.00	.00	.00	.00
10	.00	.00	.00	.00
11	.00	.00	.00	.00
12	.05	.04	.74	2.16
13	.08	.07	1.31	4.35
14	.00	.00	.00	.00
15	.03	.03	.72	2.78
16	.03	.04	.95	3.96
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.00	.00	.00	.00
20	.00	.00	.00	.00
21	.00	.00	.00	.00
22	.00	.00	.00	.00
23	.03	.08	2.28	12.60
24	.03	.08	2.81	16.21
25	.05	.17	5.58	32.09
26	.05	.19	6.62	39.31
27	.00	.00	.00	.00
28	.03	.11	3.83	23.15
29	.03	.12	4.53	27.55
30	.00	.00	.00	.00
31	.00	.00	.00	.00
32	.03	.14	5.42	33.96
33	.03	.15	5.88	37.15
34	.00	.00	.00	.00
35	.00	.00	.00	.00
36	.00	.00	.00	.00
37	.00	.00	.00	.00
38	.00	.00	.00	.00
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.58	1.24	40.93	235.67

TABLE 3.2.5:
MORTALITY BETWEEN 1940 AND 1945 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.03	.00	.03	.00
5	.05	.01	.06	.00
6	.00	.00	.00	.00
7	.00	.00	.00	.00
8	.00	.00	.00	.00
9	.00	.00	.00	.00
10	.00	.00	.00	.00
11	.00	.00	.00	.00
12	.00	.00	.00	.00
13	.00	.00	.00	.00
14	.00	.00	.00	.00
15	.00	.00	.00	.00
16	.00	.00	.00	.00
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.00	.00	.00	.00
20	.00	.00	.00	.00
21	.00	.00	.00	.00
22	.03	.06	2.03	11.90
23	.00	.00	.00	.00
24	.03	.08	2.75	15.80
25	.05	.17	5.79	33.66
26	.00	.00	.00	.00
27	.00	.00	.00	.00
28	.00	.00	.00	.00
29	.00	.00	.00	.00
30	.00	.00	.00	.00
31	.00	.00	.00	.00
32	.00	.00	.00	.00
33	.00	.00	.00	.00
34	.00	.00	.00	.00
35	.00	.00	.00	.00
36	.03	.18	7.52	45.25
37	.00	.00	.00	.00
38	.03	.20	8.23	53.14
39	.03	.22	9.02	58.48
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.25	.92	35.42	220.23

TABLE 3.2.4:
MORTALITY BETWEEN 1930 AND 1935 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.03	.00	.03	.00
6	.03	.01	.06	.00
7	.03	.01	.07	.00
8	.03	.01	.12	.00
9	.05	.02	.29	.00
10	.00	.00	.00	.00
11	.00	.00	.00	.00
12	.00	.00	.00	.00
13	.00	.00	.00	.00
14	.00	.00	.00	.00
15	.00	.00	.00	.00
16	.00	.00	.00	.00
17	.00	.00	.00	.00
18	.05	.09	2.42	10.94
19	.00	.00	.00	.00
20	.00	.00	.00	.00
21	.00	.00	.00	.00
22	.03	.06	1.83	9.67
23	.00	.00	.00	.00
24	.03	.08	2.66	15.19
25	.00	.00	.00	.00
26	.00	.00	.00	.00
27	.03	.10	3.79	22.91
28	.00	.00	.00	.00
29	.00	.00	.00	.00
30	.03	.13	4.92	30.62
31	.00	.00	.00	.00
32	.00	.00	.00	.00
33	.03	.15	6.10	38.63
34	.00	.00	.00	.00
35	.00	.00	.00	.00
36	.00	.00	.00	.00
37	.00	.00	.00	.00
38	.00	.00	.00	.00
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.33	.67	22.31	127.96

TABLE 3.2.6:
MORTALITY BETWEEN 1945 AND 1950 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.05	.01	.06	.00
6	.15	.03	.30	.00
7	.28	.07	.79	.00
8	.03	.01	.09	.00
9	.03	.01	.14	.00
10	.08	.04	.60	.00
11	.03	.02	.25	.00
12	.05	.04	.65	1.96
13	.03	.02	.40	1.30
14	.03	.03	.52	1.86
15	.03	.03	.71	2.69
16	.00	.00	.00	.00
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.03	.05	1.39	6.54
20	.03	.05	1.60	7.99
21	.20	.24	6.80	35.10
22	.00	.00	.00	.00
23	.03	.07	2.32	12.87
24	.05	.16	5.37	30.78
25	.00	.00	.00	.00
26	.05	.19	6.73	39.99
27	.05	.21	7.48	45.11
28	.03	.11	4.12	25.23
29	.03	.11	4.23	25.88
30	.00	.00	.00	.00
31	.03	.13	5.09	31.72
32	.00	.00	.00	.00
33	.00	.00	.00	.00
34	.00	.00	.00	.00
35	.05	.33	13.59	86.70
36	.00	.00	.00	.00
37	.00	.00	.00	.00
38	.00	.00	.00	.00
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	1.21	1.97	63.21	355.63

TABLE 3.2.7:

MORTALITY BETWEEN 1950 AND 1955 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.03	.00	.04	.00
6	.03	.01	.06	.00
7	.00	.00	.00	.00
8	.00	.00	.00	.00
9	.00	.00	.00	.00
10	.03	.01	.18	.00
11	.00	.00	.00	.00
12	.03	.02	.30	.86
13	.00	.00	.00	.00
14	.00	.00	.00	.00
15	.00	.00	.00	.00
16	.03	.03	.85	3.46
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.00	.00	.00	.00
20	.00	.00	.00	.00
21	.03	.06	1.95	10.39
22	.00	.00	.00	.00
23	.03	.07	2.34	13.06
24	.00	.00	.00	.00
25	.00	.00	.00	.00
26	.00	.00	.00	.00
27	.05	.20	7.41	44.63
28	.03	.11	4.15	25.38
29	.08	.34	12.76	78.16
30	.00	.00	.00	.00
31	.03	.14	5.33	33.40
32	.03	.14	5.54	34.82
33	.00	.00	.00	.00
34	.03	.16	6.28	39.83
35	.00	.00	.00	.00
36	.00	.00	.00	.00
37	.03	.19	7.90	50.85
38	.00	.00	.00	.00
39	.03	.21	8.92	57.81
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.46	1.71	64.01	392.64

TABLE 3.2.8:

MORTALITY BETWEEN 1955 AND 1960 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.00	.00	.00	.00
6	.00	.00	.00	.00
7	.00	.00	.00	.00
8	.08	.03	.31	.00
9	.00	.00	.00	.00
10	.00	.00	.00	.00
11	.00	.00	.00	.00
12	.00	.00	.00	.00
13	.00	.00	.00	.00
14	.00	.00	.00	.00
15	.00	.00	.00	.00
16	.00	.00	.00	.00
17	.03	.04	1.08	4.66
18	.00	.00	.00	.00
19	.00	.00	.00	.00
20	.00	.00	.00	.00
21	.00	.00	.00	.00
22	.00	.00	.00	.00
23	.03	.08	2.51	14.20
24	.03	.08	2.63	14.39
25	.00	.00	.00	.00
26	.00	.00	.00	.00
27	.03	.10	3.65	21.96
28	.00	.00	.00	.00
29	.03	.11	4.19	25.63
30	.03	.12	4.65	28.74
31	.00	.00	.00	.00
32	.03	.14	5.67	35.69
33	.00	.00	.00	.00
34	.00	.00	.00	.00
35	.00	.00	.00	.00
36	.00	.00	.00	.00
37	.00	.00	.00	.00
38	.00	.00	.00	.00
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.03	.23	9.77	63.57
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.28	.93	34.46	209.44

TABLE 3.2.9:

MORTALITY BETWEEN 1960 AND 1970 INVENTORIES

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.00	.00	.00	.00
5	.00	.00	.00	.00
6	.00	.00	.00	.00
7	.00	.00	.00	.00
8	.08	.03	.31	.00
9	.00	.00	.00	.00
10	.00	.00	.00	.00
11	.03	.02	.25	.00
12	.00	.00	.00	.00
13	.00	.00	.00	.00
14	.08	.08	1.68	6.03
15	.03	.03	.63	2.34
16	.00	.00	.00	.00
17	.00	.00	.00	.00
18	.00	.00	.00	.00
19	.05	.10	2.81	13.37
20	.00	.00	.00	.00
21	.03	.06	1.98	10.56
22	.03	.07	2.23	12.32
23	.10	.29	9.33	51.94
24	.03	.08	2.54	14.40
25	.05	.17	5.50	31.57
26	.03	.09	2.98	17.23
27	.15	.60	21.74	130.59
28	.05	.22	7.90	48.02
29	.00	.00	.00	.00
30	.08	.37	14.06	87.02
31	.03	.13	5.04	31.44
32	.08	.42	16.50	103.61
33	.03	.15	5.88	37.15
34	.00	.00	.00	.00
35	.03	.17	7.00	44.76
36	.00	.00	.00	.00
37	.03	.19	7.70	49.55
38	.03	.20	8.38	54.13
39	.00	.00	.00	.00
40	.00	.00	.00	.00
41	.00	.00	.00	.00
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	.99	3.47	124.46	746.03

3.3: Net Periodic Growth Tables

TABLE 3.3.1:
NET PERIODIC GROWTH FOR THE PERIOD 1920 TO 1925

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	1.34	.12	1.26	.00
5	.15	.03	.31	.00
6	1.04	.20	2.08	.00
7	.68	.19	2.08	.00
8	.05	.01	.04	.00
9	.58	.27	3.45	.00
10	.43	.23	3.13	.00
11	.08	.05	.72	.00
12	.15	.11	1.83	.31
13	.13	.12	2.35	.763
14	.05	.04	.72	2.24
15	.18	.20	3.85	13.64
16	.05	.08	2.10	9.17
17	.03	.06	1.83	8.78
18	.10	.18	4.51	19.80
19	.10	.19	5.01	22.94
20	.23	.53	15.11	77.42
21	.48	1.16	33.07	171.61
22	.13	.34	10.86	59.31
23	.18	.51	15.83	87.49
24	.10	.33	10.38	58.89
25	.18	.60	20.83	121.68
26	.25	.93	31.72	186.52
27	.03	.11	5.09	32.37
28	.13	.56	21.29	131.03
29	.18	.82	30.23	185.14
30	.03	.13	4.58	27.85
31	.05	.27	10.46	65.41
32	.03	.12	4.58	28.29
33	.03	.15	5.97	37.74
34	.00	.00	.09	.62
35	.03	.17	6.73	42.88
36	.00	.00	.09	.64
37	.03	.19	7.80	50.21
38	.05	.41	17.05	110.26
39	.03	.20	8.43	54.45
40	.03	.22	9.17	59.49
41	.00	.00	.10	.68
42	.03	.25	10.47	68.36
43	.03	.25	10.67	69.73
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL				
	4.65	3.43	97.34	518.12

TABLE 3.3.3:
NET PERIODIC GROWTH FOR THE PERIOD 1930 TO 1935

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	1.44	.11	1.27	.00
5	.68	.09	.89	.00
6	1.19	.24	2.44	.00
7	.99	.26	2.90	.00
8	.18	.05	.58	.00
9	.48	.20	2.55	.00
10	.46	.23	3.17	.00
11	.05	.04	.74	.00
12	.76	.59	9.84	28.96
13	.13	.11	1.86	6.08
14	.13	.13	2.47	8.58
15	.20	.24	4.71	17.18
16	.28	.39	8.54	33.11
17	.08	.14	3.61	16.30
18	.18	.32	8.41	37.32
19	.28	.56	14.79	70.11
20	.00	.02	.98	6.47
21	.03	.08	2.25	12.58
22	.10	.30	9.07	50.10
23	.03	.10	2.84	16.48
24	.03	.08	2.13	11.51
25	.08	.27	8.73	50.34
26	.03	.08	2.64	15.12
27	.03	.08	1.46	6.11
28	.13	.52	19.41	117.95
29	.05	.22	6.76	39.14
30	.03	.14	4.17	24.18
31	.05	.27	9.98	61.61
32	.08	.43	16.62	103.83
33	.10	.60	23.27	146.17
34	.03	.15	6.05	38.30
35	.00	.00	.05	.31
36	.03	.18	7.38	47.31
37	.00	.01	.24	1.63
38	.03	.19	8.09	52.15
39	.00	.01	.30	2.01
40	.00	.00	.15	1.02
41	.00	.00	.00	.00
42	.00	.00	.10	.69
43	.03	.26	10.92	71.45
44	.03	.26	11.13	72.82
45	.00	.00	.00	.00
TOTAL				
	2.28	3.25	85.05	436.77

TABLE 3.3.2:
NET PERIODIC GROWTH FOR THE PERIOD 1925 TO 1930

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	1.46	.04	.42	.00
5	1.14	.15	1.49	.00
6	.68	.15	1.54	.00
7	.61	.15	1.66	.00
8	.76	.27	3.29	.00
9	.00	.00	.05	.00
10	.43	.24	3.47	.00
11	.78	.52	7.72	.00
12	.13	.10	1.72	.48
13	.08	.07	1.28	4.18
14	.08	.09	1.77	6.54
15	.28	.35	7.69	29.46
16	.00	.01	.34	1.61
17	.25	.40	9.35	37.61
18	.18	.32	7.52	33.37
19	.08	.14	3.71	16.77
20	.08	.17	5.14	26.33
21	.25	.59	16.35	83.28
22	.18	.43	10.62	53.14
23	.18	.52	16.12	89.54
24	.10	.31	10.23	58.05
25	.15	.50	15.67	88.89
26	.03	.08	3.54	21.73
27	.15	.59	20.91	124.78
28	.03	.12	3.86	22.76
29	.18	.83	31.11	191.52
30	.23	1.11	41.39	254.91
31	.08	.40	16.16	101.80
32	.03	.12	4.56	28.16
33	.03	.14	5.58	35.07
34	.03	.15	6.14	38.91
35	.05	.34	14.00	89.51
36	.03	.19	7.70	49.53
37	.05	.38	15.79	101.70
38	.03	.20	8.18	52.81
39	.00	.01	.44	3.01
40	.00	.00	.15	1.02
41	.03	.24	9.97	64.94
42	.03	.24	10.12	65.96
43	.00	.01	.25	1.72
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL				
	4.22	3.05	74.82	346.81

TABLE 3.3.4:
NET PERIODIC GROWTH FOR THE PERIOD 1935 TO 1940

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	.63	.06	.65	.00
5	.40	.04	.43	.00
6	.25	.03	.27	.00
7	1.01	.29	3.28	.00
8	.43	.14	1.65	.00
9	.51	.23	3.04	.00
10	.53	.30	4.30	.00
11	.20	.15	2.26	.00
12	.13	.09	1.18	3.47
13	.53	.49	8.87	29.47
14	.03	.02	.47	1.43
15	.10	.12	2.38	8.89
16	.05	.05	.76	2.36
17	.08	.11	2.73	10.98
18	.18	.32	7.61	33.81
19	.15	.31	8.66	41.68
20	.20	.42	11.31	54.88
21	.03	.07	2.90	16.57
22	.15	.40	12.86	70.06
23	.03	.08	3.96	24.00
24	.30	.98	31.93	182.41
25	.23	.76	24.09	137.37
26	.00	.00	1.18	8.64
27	.10	.42	14.23	84.66
28	.10	.45	16.49	100.40
29	.18	.82	30.54	187.60
30	.03	.11	3.44	19.66
31	.10	.53	19.55	120.46
32	.05	.29	10.76	66.84
33	.00	.02	1.66	11.92
34	.10	.65	26.23	166.93
35	.05	.33	13.41	85.46
36	.05	.37	15.31	98.43
37	.05	.37	15.36	98.76
38	.03	.20	8.23	53.14
39	.00	.20	.20	1.35
40	.03	.23	9.47	61.53
41	.03	.23	9.62	62.55
42	.00	.00	.10	.69
43	.00	.00	.00	.00
44	.00	.00	.15	1.03
45	.00	.00	.00	.00
TOTAL				
	1.82	2.12	48.52	205.43

TABLE 3.3.5:
NET PERIODIC GROWTH FOR THE PERIOD 1940 TO 1945

DIA METER B REAST H EIGHT	T REES P ER ACRE	BASAL AREA P ER ACRE	VOLUMES P ER ACRE	
INCHES	NUMBER	SQ UARE FEET	CUBIC FEET	BOAR D FEET
4	2.10	.18	1.94	.00
5	.33	.05	.50	.00
6	.66	.14	1.43	.00
7	.81	.23	2.60	.00
8	.88	.31	3.67	.00
9	.35	.16	2.07	.00
10	.05	.03	.35	.00
11	.38	.23	3.36	.00
12	.30	.22	3.33	9.76
13	.08	.07	1.50	4.97
14	.46	.48	9.17	32.65
15	.10	.12	2.39	8.72
16	.20	.30	6.79	26.81
17	.20	.31	7.35	29.60
18	.10	.18	4.84	21.79
19	.05	.09	2.47	11.33
20	.03	.06	2.05	10.81
21	.05	.12	3.04	15.25
22	.03	.05	1.57	7.73
23	.05	.15	5.48	31.51
24	.05	.20	7.98	48.51
25	.15	.48	15.46	87.83
26	.08	.27	8.26	46.88
27	.10	.42	14.37	85.45
28	.05	.22	7.63	45.85
29	.10	.46	17.01	103.84
30	.13	.61	22.87	140.85
31	.03	.12	4.98	31.55
32	.08	.43	16.30	101.71
33	.00	.01	.78	5.94
34	.05	.32	12.69	80.56
35	.03	.18	7.37	47.25
36	.03	.17	6.95	44.42
37	.00	.01	.33	2.28
38	.03	.19	8.09	52.15
39	.08	.64	26.95	174.77
40	.05	.44	18.28	118.65
41	.00	.00	.15	1.02
42	.00	.00	.00	.00
43	.00	.00	.00	.00
44	.00	.00	.15	1.03
45	.00	.00	.00	.00
TOTAL	4.48	2.75	62.48	276.83

TABLE 3.3.6:
NET PERIODIC GROWTH FOR THE PERIOD 1945 TO 1950

DIA METER B REAST H EIGHT	T REES P ER ACRE	BASAL AREA P ER ACRE	VOLUMES P ER ACRE	
INCHES	NUMBER	SQ UARE FEET	CUBIC FEET	BOAR D FEET
4	2.56	.51	5.42	.00
5	1.39	.17	1.75	.00
6	.30	.07	.76	.00
7	.56	.16	1.73	.00
8	1.24	.42	4.92	.00
9	.15	.06	.76	.00
10	.61	.33	4.54	.00
11	.08	.08	1.37	.00
12	.20	.17	2.89	9.12
13	.05	.06	1.18	4.65
14	.08	.08	1.51	5.31
15	.15	.18	3.65	13.43
16	.05	.07	1.50	5.63
17	.10	.16	3.71	14.90
18	.15	.28	7.12	31.96
19	.03	.06	1.73	8.93
20	.03	.03	1.11	4.33
21	.18	.43	11.74	60.45
22	.03	.08	3.20	18.71
23	.13	.37	11.41	63.18
24	.03	.08	1.77	8.89
25	.05	.19	5.67	32.42
26	.10	.39	12.33	71.53
27	.03	.11	4.80	30.20
28	.08	.33	10.69	62.95
29	.05	.23	8.62	52.95
30	.05	.25	9.49	58.76
31	.05	.25	9.23	56.60
32	.00	.00	.13	.93
33	.03	.16	7.07	45.84
34	.05	.31	12.42	78.75
35	.05	.34	13.82	88.26
36	.00	.01	.28	1.92
37	.00	.00	.09	.64
38	.03	.20	8.14	52.48
39	.00	.00	.00	.00
40	.00	.00	.05	.34
41	.00	.00	.00	.00
42	.00	.00	.05	.34
43	.00	.00	.00	.00
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	8.45	1.39	9.74	54.31

TABLE 3.3.7:
NET PERIODIC GROWTH FOR THE PERIOD 1950 TO 1955

DIA METER B REAST H EIGHT	T REES P ER ACRE	BASAL AREA P ER ACRE	VOLUMES P ER ACRE	
INCHES	NUMBER	SQ UARE FEET	CUBIC FEET	BOAR D FEET
4	3.34	.34	3.52	.00
5	5.39	.74	7.44	.00
6	.96	.16	1.63	.00
7	.46	.12	1.29	.00
8	.76	.30	3.71	.00
9	.43	.18	2.21	.00
10	.20	.12	1.59	.00
11	.18	.08	1.00	.00
12	.48	.39	6.37	19.61
13	.03	.05	1.28	4.97
14	.28	.30	5.99	21.49
15	.30	.36	7.57	28.94
16	.15	.22	4.51	16.80
17	.20	.32	7.48	29.99
18	.18	.31	7.91	34.76
19	.08	.14	3.94	18.18
20	.18	.39	11.08	55.61
21	.08	.16	4.51	22.08
22	.00	.00	.51	3.41
23	.10	.29	9.02	49.88
24	.10	.35	11.44	66.05
25	.10	.35	12.40	72.86
26	.13	.45	14.89	86.44
27	.08	.31	11.26	68.07
28	.05	.23	9.18	57.01
29	.10	.45	16.53	100.62
30	.05	.25	9.70	60.17
31	.00	.01	.57	3.84
32	.03	.14	5.11	31.40
33	.05	.30	11.56	72.27
34	.05	.31	12.00	75.17
35	.00	.01	.28	1.87
36	.00	.00	.05	.31
37	.03	.19	8.04	51.83
38	.03	.20	8.48	54.79
39	.03	.21	8.92	57.81
40	.00	.00	.20	1.35
41	.00	.00	.00	.00
42	.03	.25	10.37	67.68
43	.03	.25	10.57	69.05
44	.03	.27	11.43	74.88
45	.03	.27	11.58	75.91
TOTAL	11.93	2.99	39.11	57.24

TABLE 3.3.8:
NET PERIODIC GROWTH FOR THE PERIOD 1955 TO 1960

DIA METER B REAST H EIGHT	T REES P ER ACRE	BASAL AREA P ER ACRE	VOLUMES P ER ACRE	
INCHES	NUMBER	SQ UARE FEET	CUBIC FEET	BOAR D FEET
4	10.47	.95	10.17	.00
5	4.58	.65	6.55	.00
6	5.28	1.05	10.90	.00
7	.20	.09	1.08	.00
8	.03	.01	.18	.00
9	1.34	.61	7.90	.00
10	.05	.02	.33	.00
11	.88	.61	9.33	.00
12	.40	.31	4.44	14.65
13	.53	.50	9.87	31.91
14	.25	.28	5.31	19.18
15	.30	.37	7.63	28.50
16	.18	.24	5.21	20.06
17	.15	.23	5.32	21.17
18	.08	.16	4.23	20.46
19	.18	.33	8.63	39.52
20	.10	.23	6.25	31.50
21	.13	.32	10.03	53.73
22	.03	.06	1.51	7.49
23	.08	.21	5.44	28.40
24	.00	.00	.08	.49
25	.23	.23	25.22	144.99
26	.10	.41	16.27	99.87
27	.15	.60	18.66	107.76
28	.10	.43	16.34	100.02
29	.08	.35	13.75	85.60
30	.08	.40	14.43	88.65
31	.13	.65	25.44	159.17
32	.05	.28	10.19	62.41
33	.08	.45	18.00	113.81
34	.00	.01	.30	2.01
35	.00	.00	.14	.94
36	.03	.18	7.42	47.62
37	.00	.01	.33	2.28
38	.00	.01	.34	2.32
39	.00	.00	.00	.00
40	.00	.00	.05	.34
41	.03	.23	9.77	63.57
42	.00	.00	.00	.00
43	.00	.00	.05	.34
44	.00	.00	.00	.00
45	.00	.00	.00	.00
TOTAL	2.05	3.36	77.33	300.31

TABLE 3.3.9:

NET PERIODIC GROWTH FOR THE PERIOD 1960 TO 1970

DIAMETER BREAST HEIGHT	TREES PER ACRE	BASAL AREA PER ACRE	VOLUMES PER ACRE	
INCHES	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
4	3.69	1.37	3.85	.00
5	15.90	2.20	22.21	.00
6	1.77	.54	5.82	.00
7	10.06	2.71	29.82	.00
8	2.40	.83	9.78	.00
9	.99	.43	5.55	.00
10	1.29	.71	9.90	.00
11	.43	.27	4.01	.00
12	.83	.65	10.10	31.61
13	.08	.08	1.54	5.78
14	.51	.54	10.96	39.17
15	.05	.04	.52	1.28
16	.10	.15	3.43	13.60
17	.43	.67	15.24	60.58
18	.25	.46	11.57	51.94
19	.13	.22	4.82	20.00
20	.13	.28	8.65	44.34
21	.10	.26	7.88	42.10
22	.05	.15	3.71	19.79
23	.13	.37	12.62	71.35
24	.13	.39	12.45	70.29
25	.05	.20	6.00	34.53
26	.05	.16	2.88	12.70
27	.13	.49	16.90	100.14
28	.00	.03	.63	3.66
29	.00	.01	1.22	8.97
30	.05	.25	10.98	70.24
31	.00	.01	1.04	7.60
32	.00	.00	.07	.55
33	.05	.29	11.25	70.81
34	.03	.18	7.78	50.81
35	.03	.18	7.93	51.92
36	.03	.17	6.13	37.96
37	.03	.19	8.09	52.16
38	.05	.39	16.32	105.29
39	.03	.21	8.92	57.81
40	.03	.22	9.02	58.47
41	.03	.23	9.67	62.89
42	.00	.00	.00	.00
43	.00	.00	.05	.34
44	.00	.00	.00	.00
45	.00	.00	.10	.68
TOTAL	1.01	4.62	66.28	83.62

34: Summary Tables

TABLE 3.4.1:

AVERAGE ANNUAL DIAMETER GROWTH BY SIZE CLASSES

DIAMETER BREAST HEIGHT	GROWTH PERIOD								
INCHES	1920-25	1925-30	1930-35	1935-40	1940-45	1945-50	1950-55	1955-60	1960-70
4	.68	.70	.57	.62	.73	.75	.56	.00	
5	.22	.28	.17	.15	.11	.12	.16	.15	.10
6	.14	.17	.16	.14	.12	.12	.12	.14	.14
7	.16	.19	.16	.13	.11	.10	.11	.12	.14
8	.15	.20	.17	.15	.12	.10	.11	.11	.13
9	.17	.20	.18	.16	.11	.10	.11	.11	.09
10	.15	.21	.16	.16	.11	.10	.13	.10	.09
11	.11	.20	.16	.14	.13	.10	.12	.12	.09
12	.11	.13	.14	.12	.10	.08	.12	.09	.08
13	.10	.11	.13	.13	.11	.09	.11	.11	.08
14	.08	.11	.09	.09	.10	.08	.11	.10	.08
15	.10	.09	.11	.08	.08	.07	.10	.10	.07
16	.11	.12	.08	.09	.08	.05	.07	.09	.07
17	.12	.10	.10	.07	.07	.06	.07	.07	.06
18	.10	.11	.10	.09	.08	.05	.08	.07	.06
19	.09	.11	.10	.08	.08	.05	.06	.06	.06
20	.09	.11	.10	.09	.07	.06	.06	.06	.05
21	.09	.09	.10	.08	.08	.06	.06	.07	.05
22	.10	.10	.09	.07	.07	.05	.06	.06	.05
23	.07	.08	.08	.05	.07	.05	.05	.06	.05
24	.08	.08	.08	.07	.07	.05	.06	.05	.06
25	.07	.10	.07	.06	.06	.04	.05	.05	.05
26	.07	.07	.07	.07	.06	.03	.05	.05	.05
27	.05	.07	.06	.06	.06	.03	.04	.03	.04
28	.06	.05	.05	.04	.07	.04	.04	.04	.03
29	.09	.07	.06	.04	.04	.03	.05	.05	.04
30	.06	.06	.06	.06	.04	.02	.03	.03	.05
31	.04	.06	.05	.06	.04	.02	.03	.03	.02
32	.05	.04	.05	.04	.05	.02	.03	.04	.04
33	.07	.05	.06	.04	.05	.02	.04	.05	.04
34	.06	.09	.06	.01	.06	.03	.04	.03	.03
35	.06	.09	.05	.03	.04	.01	.05	.03	.03
36	.04	.05	.05	.03	.06	.02	.05	.04	.07
37	.03	.03	.04	.05	.03	.02	.04	.04	.03
38	.00	.06	.01	.04	.03	.03	.05	.03	.04
39	.04	.04	.03	.02	.00	.00	.00	.00	.09
40	.03	.03	.03	.00	.05	.01	.03	.01	.02
41	.04	.00	.00	.06	.06	.00	.00	.00	.09
42	.00	.06	.04	.04	.00	.02	.00	.00	.00
43	.08	.10	.00	.00	.00	.00	.08	.02	.01
44	.00	.00	.08	.06	.06	.00	.00	.00	.00
45	.20	.20	.20	.00	.00	.20	.06	.00	.02

TABLE 3.4.2:

PERCENT OF TREES IN A DIAMETER CLASS
ADVANCING TO THE NEXT DIAMETER CLASS
DURING THE GROWTH PERIOD

DIAMETER BREAST HEIGHT INCHES	GROWTH PERIOD								
	1920-25	1925-30	1930-35	1935-40	1940-45	1945-50	1950-55	1955-60	1960-70
	PERCENT								
4	79.11	80.19	66.00	73.60	89.90	89.02	86.96	60.96	.00
5	64.06	74.68	63.81	57.22	53.04	64.83	78.17	77.78	100.00
6	71.69	68.91	68.75	56.09	53.92	53.12	61.74	72.89	89.00
7	77.88	85.94	74.85	63.77	56.49	50.23	50.25	58.64	91.00
8	66.25	82.73	75.21	72.39	63.31	56.42	49.19	48.58	79.24
9	75.00	81.58	86.32	69.57	55.04	53.33	59.87	59.02	75.41
10	77.78	88.71	77.50	64.36	58.59	53.66	56.49	50.38	81.52
11	56.25	77.78	77.05	62.32	69.05	44.83	69.15	53.49	76.71
12	55.88	53.85	72.46	56.25	60.53	41.67	57.28	39.08	76.67
13	42.86	43.75	59.46	65.52	55.74	39.68	62.90	57.83	69.77
14	44.19	43.48	41.46	37.50	51.72	36.07	56.94	45.16	74.39
15	38.30	44.44	52.27	40.00	36.11	42.86	55.56	56.06	60.94
16	52.17	58.70	37.14	51.35	37.78	25.58	36.73	46.43	66.67
17	42.86	45.28	52.00	34.04	23.08	30.23	31.43	46.34	62.07
18	50.00	55.74	51.85	40.43	39.53	24.32	43.18	25.53	54.05
19	45.10	53.70	50.77	44.07	36.84	25.86	21.82	18.75	60.38
20	50.00	49.09	40.00	50.79	35.94	20.63	26.79	30.77	51.06
21	50.75	36.84	39.66	42.11	37.29	25.00	40.00	31.67	51.79
22	36.36	58.82	40.00	40.98	33.33	27.12	30.51	25.86	55.36
23	44.90	39.29	29.82	32.14	37.04	27.12	28.57	26.67	52.73
24	32.56	41.03	40.00	36.54	42.00	21.57	23.64	30.91	55.00
25	28.57	46.34	31.82	17.14	53.66	18.60	23.08	33.33	52.00
26	42.50	33.33	28.95	34.21	34.15	16.22	30.95	15.22	50.00
27	25.00	41.18	34.29	28.21	25.58	19.05	20.51	9.09	55.26
28	27.27	38.10	38.46	20.00	25.00	20.00	27.27	21.62	27.03
29	36.36	34.62	20.83	5.88	28.57	15.79	43.48	20.00	40.00
30	25.00	48.28	23.33	24.14	8.33	11.54	12.50	28.57	42.11
31	21.05	25.00	27.78	36.36	30.43	4.76	23.81	30.77	23.08
32	14.29	40.00	25.00	28.57	35.29	11.76	22.22	18.75	37.50
33	33.33	50.00	42.86	7.14	21.43	15.38	18.18	28.57	25.00
34	25.00	44.44	12.50	.00	50.00	37.50	40.00	10.00	27.27
35	50.00	50.00	33.33	37.50	11.11	14.29	14.29	14.29	33.33
36	20.00	16.67	28.57	20.00	.00	25.00	25.00	20.00	50.00
37	20.00	.00	33.33	60.00	.00	25.00	25.00	.00	40.00
38	.00	100.00	50.00	33.33	.00	33.33	25.00	.00	.00
39	50.00	.00	.00	.00	.00	.00	.00	.00	100.00
40	50.00	.00	.00	.00	66.67	.00	.00	.00	.00
41	.00	.00	.00	100.00	.00	.00	.00	.00	100.00
42	.00	100.00	.00	.00	.00	.00	.00	.00	.00
43	100.00	.00	.00	.00	.00	.00	100.00	.00	.00
44	.00	.00	100.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	5.26	.00	.00

TABLE 3.4.3:

MORTALITY FOR THE PERIOD 1920 TO 1970
BY DIAMETER CLASS AND KILLING AGENT

DIAMETER BREAST HEIGHT INCHES	KILLING AGENT									
	TOTAL MORTALITY	LIGHTNING	WIND	INSECTS	RUST	DWARF- MISLETOE	SUPPRESSED	ROOT ROT	OTHER IDENTIFIED	UNIDENTIFIED
	PERCENT									
4	.14	.00	.00	.09	.00	.00	.05	.00	.00	.00
5	.32	.00	.00	.04	.00	.00	.16	.00	.04	.08
6	.44	.00	.08	.12	.00	.00	.20	.00	.00	.04
7	.61	.00	.00	.42	.00	.00	.09	.00	.00	.09
8	.46	.00	.06	.06	.00	.00	.11	.00	.00	.23
9	.31	.00	.08	.00	.00	.00	.16	.00	.00	.08
10	.41	.00	.00	.10	.00	.00	.00	.00	.00	.30
11	.37	.00	.00	.00	.00	.00	.00	.00	.12	.25
12	.71	.00	.14	.28	.00	.00	.00	.14	.00	.14
13	.72	.18	.00	.18	.00	.00	.18	.00	.00	.18
14	.73	.00	.00	.18	.00	.00	.18	.00	.18	.18
15	.62	.00	.21	.21	.00	.00	.00	.00	.21	.00
16	.65	.22	.43	.00	.00	.00	.00	.00	.00	.00
17	.20	.00	.00	.20	.00	.00	.00	.00	.00	.00
18	.42	.00	.00	.00	.00	.21	.00	.00	.21	.00
19	.54	.36	.00	.00	.00	.00	.18	.00	.00	.00
20	.53	.18	.00	.18	.00	.00	.00	.00	.00	.18
21	1.23	.18	.00	.18	.18	.00	.00	.00	.00	.70
22	.72	.18	.00	.36	.00	.00	.00	.00	.18	.00
23	1.27	.36	.18	.36	.36	.00	.00	.00	.00	.00
24	1.86	.21	.21	.62	.00	.21	.00	.00	.21	.41
25	1.44	.00	.00	1.20	.00	.00	.00	.00	.24	.00
26	1.25	.25	.25	.50	.25	.00	.00	.00	.00	.00
27	3.35	1.40	.00	1.12	.00	.00	.00	.00	.56	.28
28	1.67	.33	.33	.67	.33	.00	.00	.00	.00	.00
29	3.49	1.75	.87	.87	.00	.00	.00	.00	.00	.00
30	2.49	.83	.00	1.24	.41	.00	.00	.00	.00	.00
31	1.91	.48	.00	.96	.00	.48	.00	.00	.00	.00
32	3.90	1.30	.00	1.30	.65	.65	.00	.00	.00	.00
33	2.52	.00	.84	.84	.84	.00	.00	.00	.00	.00
34	1.22	1.22	.00	.00	.00	.00	.00	.00	.00	.00
35	4.76	.00	.00	1.59	.00	.00	.00	.00	1.59	1.59
36	1.96	1.96	.00	.00	.00	.00	.00	.00	.00	.00
37	6.98	.00	.00	6.98	.00	.00	.00	.00	.00	.00
38	8.70	4.35	.00	4.35	.00	.00	.00	.00	.00	.00
39	9.09	4.55	4.55	.00	.00	.00	.00	.00	.00	.00
40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
41	14.29	.00	14.29	.00	.00	.00	.00	.00	.00	.00
42	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
43	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
44	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WEIGHTED AVG PERCENTAGE	4.59 100.00	.95 20.65	.82 17.76	.65 14.18	.51 11.10	.40 8.69	.32 7.04	.28 6.01	.22 4.74	.21 4.57

TABLE 3.4.4:

STAND TABLE SUMMARY

INVENTORY	TREES	BASAL AREA	VOLUMES	
	PER ACRE	PER ACRE	PER ACRE	PER ACRE
YEAR	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
1920	40.81	62.04	1904.53	10379.60
1925	45.46	65.47	2001.27	10897.73
1930	49.68	68.52	2076.69	11244.53
1935	51.96	71.77	2161.73	11681.30
1940	53.78	73.89	2210.25	11886.73
1945	58.26	76.64	2272.74	12163.56
1950	66.70	78.03	2282.48	12109.25
1955	74.63	81.02	2321.58	12166.48
1960	80.68	84.37	2398.91	12466.80
1970	79.67	88.99	2465.20	12550.41
TOTAL CHANGE 1920-70	38.86	26.95	560.67	2170.81

TABLE 3.4.5:

MORTALITY TABLE SUMMARY

PERIOD	TREES	BASAL AREA	VOLUMES	
	PER ACRE	PER ACRE	PER ACRE	PER ACRE
YEARS	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
1920-25	.00	.00	.00	.00
1925-30	.38	1.08	37.92	223.29
1930-35	.33	.67	22.31	127.96
1935-40	.58	1.24	40.93	235.67
1940-45	.25	.92	35.42	224.23
1945-50	.21	1.97	63.21	355.63
1950-55	.46	1.71	64.01	392.64
1955-60	.28	.93	34.46	208.44
1960-70	.99	3.47	124.46	746.03
TOTAL	4.48	12.00	422.71	2510.88

TABLE 3.4.6:

NET GROWTH TABLE SUMMARY

PERIOD	TREES	BASAL AREA	VOLUMES	
	PER ACRE	PER ACRE	PER ACRE	PER ACRE
YEARS	NUMBER	SQUARE FEET	CUBIC FEET	BOARD FEET
1920-25	4.65	3.43	97.34	518.12
1925-30	4.22	3.05	74.82	346.81
1930-35	4.28	3.25	85.05	436.77
1935-40	1.82	2.12	48.52	205.43
1940-45	4.48	2.75	62.48	276.83
1945-50	4.45	1.39	9.74	45.31
1950-55	11.93	2.99	39.11	57.24
1955-60	2.05	3.36	77.33	300.31
1960-70	11.01	4.62	66.28	83.62
TOTAL	38.86	26.95	560.67	2170.81

Avery, Charles C., Frederic R. Larson, and Gilbert H. Schubert.

1976. Fifty-year records of virgin stand development in southwestern ponderosa pine. USDA For. Serv. Gen. Tech. Rep. RM-22, 71 p. Rocky Mt. For. and Range Exp. Stn., Fort Collins, Colo. 80521

Ten periodic inventories of an unburned virgin tract of southwestern ponderosa pine near Flagstaff, Arizona, have yielded growth and mortality data on more than 3,000 trees. Fifty years of change on this 40-acre tract are documented, principally in nonmetric units, by (1) individual tree records, (2) 2.5-acre (1.01-ha) subplot summaries of basal area and tree census (tree count) data, and (3) composite stand tables which display volumes (cubic feet and board feet), census data, mortality data and causes, net periodic basal area, volume, and diameter growth. This information should be useful in modeling stand development and also as a data source for research and teaching.

Keywords: *Pinus ponderosa*, stand structure, natural areas.

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