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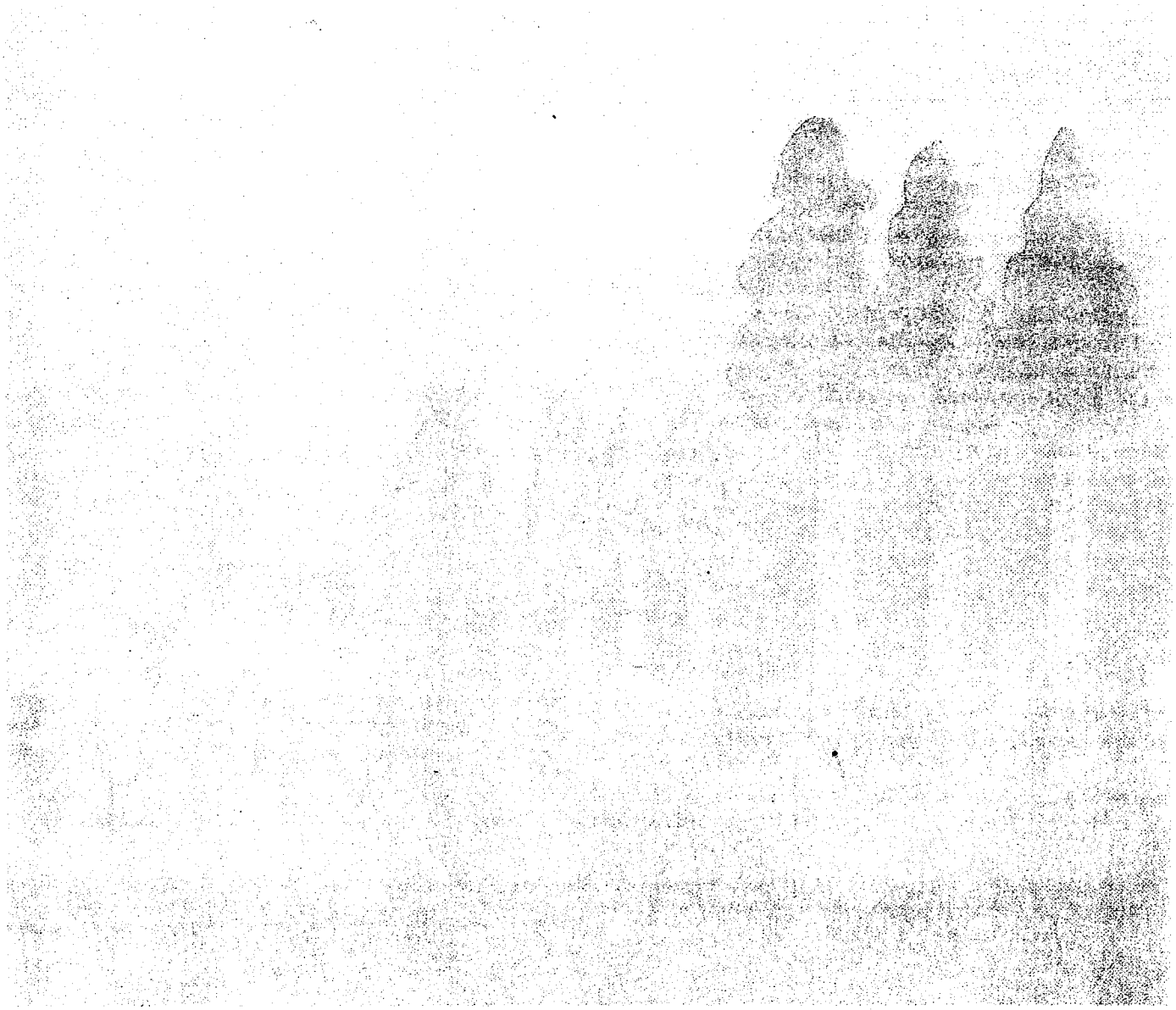

Volume and Growth Predictions for Thinned Even-Aged Natural Longleaf Pine Stands in the East Gulf Area

Robert M. Farrar, Jr.

INTRODUCTION

Encouraged by the high quality and marketability of longleaf pine (*Pinus palustris* Mill.), many landowners are taking advantage of recent improvements in longleaf regeneration techniques (Mann 1969, 1970; Croker and Boyer 1975; Farrar and White 1983; Dennington and Farrar 1983) and are growing longleaf pine today.

Successful longleaf timber management demands predictable growth and yield resulting from various management alternatives. Guidance exists in yield tables for unthinned naturally regenerated stands (Schumacher and Coile 1960, Forest Service 1976) and for unthinned plantations (Lohrey and Bailey 1977). Lohrey (1976) also provides information on thinned plantations. Research Paper SO-156 (Farrar 1979) described growth and yield predictions for a comprehensive array of stand ages, site qualities, and residual densities maintained by periodic thinning in natural stands. Research was based on the first 5-year growth in a regional natural longleaf pine growth study.

This paper updates SO-156 and describes a more versatile system for stand volume and volume growth prediction. Data from the first and second 5-year growth periods allow estimates of total and merchantable stand volume in cubic feet, cords, dry weight, and board feet (fbm).

METHODS[1]

Field Procedures

This study comprises 209 permanent 1/5- and 1/10-acre plots, established with the cooperation of private and public landowners (see Acknowledgements), in even-aged natural stands of longleaf pine in northwest Florida, southwest Georgia, south and central Alabama, and south Mississippi.

Plots were chosen to reflect variety in stand age, site index, and residual basal area classes. Plots chosen were at least 80 percent longleaf (by total basal area) before cutting (100 percent after cut); uniform in age, site index, and density; and free of damage from insects, disease, wildfire, turpentining, etc. All hardwoods with d.b.h. > 0.5 inch were killed initially.

Initial field measurements included numbering and tallying all living longleaf stems with d.b.h. > 0.5 inch and recording crown class (SAF 1958) for each tree. To determine tree heights, a sample of trees was systematically selected from each 1-inch d.b.h. class and measured for total height and height to the live crown base (see Farrar 1978). A subsample of dominant and co-dominant trees was similarly chosen to determine stand age and site index.

Most plots have been prescription burned every 3 to 5 years to control woody vegetation regrowth and reduce wildfire hazard.

All longleaf with d.b.h. ≤ 0.5 inch were destroyed. Plots were thinned initially using an improvement cut/low thinning and, after remeasurement, rethinned using low thinning. These thinnings left a specified residual basal area per plot.

At each remeasurement, at 5-year intervals, field procedures are identical to the initial procedures; in addition, the amount and causes of mortality are identified. Plots are rethinned to initial density levels if basal areas have grown more than 1/4 of the way toward the midpoint of the next higher basal area class.

Data Summary

Plot basal areas, volumes per acre, and site index were calculated using procedures identical to Farrar (1978, 1979).

The stand basal area and volumes were partitioned into three components:

[1]Farrar (1978) gives details for all field procedures.

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(1) total = including all trees with d.b.h. > 0.5 inch,

(2) merchantable = including only those trees with d.b.h. > 3.5 inches,

and (3) sawtimber = including only those trees with d.b.h. > 9.5 inches.

For reference, the site index function (Farrar 1981) is:

$$S = (Hd)(10)^{(f50-fA)} \quad (1)$$

where S = stand site index in feet, index age 50 years

Hd = average height of dominant and co-dominant sample trees in feet

$f50 = b1/50 + b2/50^2 + b3/50^3 + b4/50^4$

A = average age of dominant and co-dominant sample trees in years

$fA = b1/A + b2/A^2 + b3/A^3 + b4/A^4$

b1 = −29.468

b2 = 938.97

b3 = −16102

b4 = 88775.

Data Analysis

In the analysis, 188 plots were used. Of these plots, 64 have been remeasured once and 124 twice, resulting in 312 observations on growth (table 1). Twenty-one plots were omitted due to destruction before remeasurement, excessive mortality in the dominant and co-dominant crown classes, or suspected adverse effects of disease and site alteration caused by a raised water table. If the periodic mortality exceeded 5 percent of the initial basal area in dominant and co-dominant trees, the plot was excluded; otherwise, any mortality in the intermediate and suppressed crown classes was tolerated.

Therefore, the observations used in this analysis represent the net volume growth and yield one might expect in the absence of catastrophic mortality or other adverse influences.

Table 1 shows the distribution of these 312 observations by initial age (A1), site index (S), and residual total basal area (BT1). Initially, individual plots varied in age from 15 to 90 years, in site index from 46 to 90 feet, and in total basal area from 8 to 169 square feet per acre.

The analysis utilizes the concept of a simultaneous stand volume and volume growth prediction system, advanced by Sullivan and Clutter (1972), wherein the developed system allows the prediction of growth increments which sum to give stand yield. Total, merchantable, and sawtimber stand volume functions, which allow estimates of both present and future volumes, were fitted based on observations of initial and final stand volumes and the Schumacher yield model (Schumacher 1939). The number of observations in-

Table 1.—*Number of observations by site, age, and total residual basal area classes*

S. I. Class	Age Class	Residual total basal area class (sq. ft./acre) <16	16–45	46–75	76–105	106–135	136–165	>165
ft.	*yrs.*	*number*						
46–55	11–30	1	4	.....	2	1	.....	.....
	31–50	....	1	4	7	3	1	.....
	51–70	....	3	1	2	1	2	.....
	71–90	....	2	2	3	2	.....	.....
56–65	11–30	2	11	6	3	.....	.....	.....
	31–50	....	4	3	3	5	1	.....
	51–70	....	4	7	2	2	5	.....
	71–90	....	2	1	3	1	.....	.....
66–75	11–30	1	15	18	4	3	.....	.....
	31–50	....	4	4	4	5	3	.....
	51–70	....	4	6	6	9	.....	2
	71–90	....	3	6	6	4	4	.....
76–85	11–30	....	8	8	5	7	4	.....
	31–50	....	3	4	6	5	3	.....
	51–70	....	5	5	6	4	3	
	71–90	....	.....	.....	2	.....	.....	
86–95	11–30	....	.....	.....	.....	.....		
	31–50	....	4	2	2	.....	1	
	51–70	....	2	3	1	1		
	71–90	....	.....	.....				

volved in total and merchantable cubic-foot estimators was 624, while 437 observations were involved in sawtimber volume estimators (those observations where sawtimber basal area was > 0).

A modified form of the Chapman-Richards growth function (Moser and Hall 1968, Pienaar and Turnbull 1973, Pienaar 1979) was fitted in integral form using 312 observations on basal area growth to obtain a projected total basal area (BT2) estimator. A second modification of the Chapman-Richards function was fitted in integral form using 203 observations to obtain a projected sawtimber basal area (BS2) estimator (Murphy 1983a). The BS2 function uses only those observations where initial sawtimber basal area (BS1) was > 0. All functions were fitted via nonlinear least squares (SAS Institute 1979, 1980).

RESULTS

The equations developed to project the total and sawtimber basal areas and to estimate the current and future stand volumes for thinned natural longleaf are as follows:

Total Basal Area

(2) $$BT2 = \{N/K - [N/K - (BT1)^{(1-M)}]\,(A2/A1)^{(-K(1-M))}\}^{(1/(1-M))}$$

where BT2 = projected total basal area at the end of the growth period in square feet per acre; d.b.h. > 0.5 inch
BT1 = total basal area at the start of the growth period
A2 = stand age at the end of the growth period in years
A1 = stand age at the start of the growth period
N = −1.0007
K = −5.6643
M = 1.3213.

Equation (2) is based on 312 observations on total basal area growth. Note that in equation (2) when A1 = A2 then BT1 = BT2 and BT2 predicted by projecting from A1 to A2 to A3 is identical to projecting from A1 directly to A3.

Sawtimber Basal Area

(3) $$BS2 = (BT2)\{1 - [1 - (R1)^{J}](A2/A1)^{(JP)}\}^{(1/J)}$$

where BS2 = projected sawtimber basal area at the end of the growth period in square feet per acre; d.b.h. > 9.5 inches
BS1 = sawtimber basal area at the start of the growth period
R1 = BS1/BT1
J = −0.68920
P = 6.8131.

Equation (3) is based on 203 observations on sawtimber basal area growth for plots where BS1 > 0 and has the same features as equation (2). Sawtimber basal area, in all cases, is a subset of total basal area (it is contained within total basal area). The observed average BT1, BS1, and resulting R1 by A1, S, and BT1 classes are shown in table 2. Note further that equation (3) is not usable if BS1 = 0. A BS1 > 0 must be observed, or be hypothesized, to predict a BS2. Therefore, equation (3) permits simulation of net sawtimber basal area growth, including ingrowth, if BS1 > 0 but sawtimber ingrowth from a state of zero BS1 cannot be simulated.

Considerable effort was expended to include site index in some form in both equations (2) and (3) but to no avail. No significant effect of site index on projected basal area could be detected.

Total Cubic-foot Volumes

(4) $$VIT = EXP[2.7946 + 0.015344(S) - 21.904/A + 0.976810\ln(BT))]$$

where VIT = predicted total stand volume in cubic feet, i.b., per acre; d.b.h. >0.5 inch, 0.2-foot stump; current or future
EXP = base e raised to the ( ) power
S = stand site index in feet; index age 50 years, equation (1) assumed
A = stand age in years; either A1 or A2
ln = natural logarithm (base e)
BT = stand total basal area per acre in square feet; d.b.h. >0.5 inch; either BT1 or BT2 (corresponding to either A1 or A2 above).

Equation (4) is based on 624 observations on total cubic-foot, i.b., stand volume (312 at A1 plus 312 at A2).

(5) $$VOT = EXP[2.9966 + 0.013375(S) - 17.467/A + 0.99700(\ln(BT))]$$

where VOT = predicted total stand volume in cubic feet, o.b., per acre; d.b.h. >0.5 inch, 0.2-foot stump; current or future.

Equation (5) is based on 624 observations on total cubic-foot, o.b., stand volume.

Table 2.—*Observed average sawtimber and total basal areas and R1 ratios*[1]

S. I. class	Age class	Residual total basal area class (sq.ft./acre) <16 BS1	<16 BT1	<16 R1	16–45 BS1	16–45 BT1	16–45 R1	46–75 BS1	46–75 BT1	46–75 R1
ft.	*yrs.*	*- sq.ft./acre -*			*- sq.ft./acre -*			*sq.ft./acre*		
46–55	11–30	0	8	0	0	26	0	....		
	31–50	....	.....	....	0	30	0	0	61	0
	51–70	....	.....	....	10	32	.30	50	65	.77
	71–90	....	.....	....	32	32	1.0	67	67	1.0
56–65	11–30	0	13	0	0	31	0	0	57	0
	31–50	....	.....	....	2	33	.07	12	62	.20
	51–70	....	.....	....	25	31	.82	42	61	.69
	71–90	....	.....	....	33	33	1.0	60	60	1.0
66–75	11–30	0	15	0	0	31	0	0	60	.01
	31–50	....	.....	....	24	33	.73	14	63	.22
	51–70	....	.....	....	33	33	1.0	56	62	.90
	71–90	....	.....	....	34	34	1.0	63	63	1.0
76–85	11–30	....	.....	....	5	31	.15	0	58	.01
	31–50	....	.....	....	22	34	.66	57	62	.92
	51–70	....	.....	....	33	33	1.0	61	61	1.0
	71–90	....	.....	....	....	....	....	....	....	....
86–95	11–30	....	.....	....	....	....	....	....	....	....
	31–50	....	.....	....	32	34	.94	30	64	.47
	51–70	....	.....	....	31	31	1.0	61	61	1.0
	71–90	....	.....	....	....	....	....	....	....	....

S. I. class	Age class	Residual total basal area class (sq.ft./acre) 76–105 BS1	76–105 BT1	76–105 R1	106–135 BS1	106–135 BT1	106–135 R1	>135 BS1	>135 BT1	>135 R1
ft.	*yrs.*	*- sq.ft./acre -*			*- sq.ft./acre -*			*- sq.ft./acre -*		
46–55	11–30	0	90	0	0	121	0	....	....	....
	31–50	6	92	.06	7	116	.06	6	137	.04
	51–70	29	91	.32	16	112	.14	57	154	.37
	71–90	82	91	.91	68	116	.58	....	....	....
56–65	11–30	0	83	0	....	....	....	....	....	....
	31–50	1	92	.01	6	117	.06	27	145	.18
	51–70	39	91	.43	47	122	.38	44	147	.30
	71–90	85	91	.94	109	114	.96	....	....	....
66–75	11–30	0	94	0	0	110	0	....	....	....
	31–50	28	90	.31	13	123	.10	25	151	.16
	51–70	76	90	.84	94	113	.83	101	168	.60
	71–90	92	92	1.0	103	117	.88	....	....	....
76–85	11–30	3	92	.04	6	120	.05	6	147	.04
	31–50	32	92	.35	25	121	.21	23	149	.15
	51–70	86	90	.96	82	121	.67	145	149	.97
	71–90	84	90	.93	....	....	....	....	....	....
86–95	11–30	....	.....	....	....	....	....	....	....	....
	31–50	69	91	.76	....	....	....	48	149	.32
	51–70	92	92	1.0	112	118	.95	....	....	....
	71–90	....	.....	....	....	....	....	....	....	....

[1]R1 = BS1/BT1

Merchantable Cubic-foot Volumes

Prediction equations for mechantable cubic-foot stand volumes could not be developed using the same functional form as for total and sawtimber cubic-foot volumes (presented later) because of intersection of the fitted merchantable cubic-foot equations with other cubic-foot equations. Therefore, stand merchantable cubic-foot volumes are estimated via a fitted common ratio estimator designed to alleviate the intersection problem:

(6) $$VIM = VIT/RE$$

where VIM = predicted merchantable stand volume in cubic feet, i.b., per acre; d.b.h. > 3.5 inches, 3-inch top d.o.b., 0.2-foot stump; current or future and

$$RE = \{1 + EXP[2.5850 + 321.77/S + 9411.2/((S)(BT)) - 2.8274(\ln(A)) - 3417.1(\ln(A))/((S)(BT))]\}.$$

Equation (6) is based on 1,248 observations on merchantable cubic-foot stand volume (i.b. and o.b.).

(7) $$VOM = VOT/RE$$

where VOM = predicted merchantable stand volume in cubic feet, o.b., per acre; d.b.h. > 3.5 inches, 3-inch top d.o.b., 0.2-foot stump; current or future.

Sawtimber Volumes

The following equations are based on 437 observations where either the initial or final sawtimber basal area was >0.

(8) $$VIS = EXP[2.7379 + 0.015684(S) - 29.352/A + 0.99614(\ln(BS))]$$

where VIS = predicted sawtimber stand volume in cubic feet, i.b., per acre; d.b.h. > 9.5 inches, 7-inch top d.o.b., 0.2-foot stump; current or future.

BS = sawtimber basal area per acre in square feet; d.b.h. > 9.5 inches; either BS1 or BS2 corresponding to A1 or A2, respectively.

(9) $$VOS = EXP[2.9544 + 0.014474(S) - 25.431/A + 1.0019(\ln(BS))]$$

where VOS = predicted sawtimber stand volume in cubic feet, o.b., per acre; d.b.h. > 9.5 inches, 7-inch top d.o.b., 0.2-foot stump; current or future.

(10) $$BF = EXP[4.2210 + 0.019257(S) - 30.001/A + 1.0207(\ln(BS))]$$

where BF = predicted stand board-foot volume per acre, International 1/4-inch rule; d.b.h. > 9.5 inches, 5-inch top d.i.b., 1-foot stump; current or future.

Evaluation of Equations

"Goodness of fit" statistics for equations (2) through (10) are given in table 3. In general, the values in table 3 indicate that the system predictors track the data well. The mean difference ($\bar{d}$) and percent mean difference ($\overline{\%d}$) figures for the stand volume values herein are comparable to or less than those in SO-156 and similar to or much lower than those for recently published systems for loblolly and shortleaf pines (Murphy 1982, 1983b; Murphy and Beltz 1981). There is a generally consistent small positive bias, indicated by the $\bar{d}$ and $\overline{\%d}$ figures, but it seems tolerable. The precision, indicated by the RMSd and %RMSd figures, although variable, also appears acceptable. The fit index (FI) is a measure of the variation accounted for by the predictive equation or system. It is analogous to the coefficient of determination in regression (r^2 or R^2) and takes on values ≤ 1. FI is used to evaluate variation accounted for by conditioned or transformed linear regression or non-linear regression, or systems thereof, where the coefficient of determination is not appropriate. The FI figures in table 3 indicate adequate accounting of variation in the dependent variables by the predictors without excessive lack of precision or excessive bias. Low positive or negative values for FI would indicate poor fit due to poor precision and/or excessive bias.

Pulpwood Volumes

Pulpwood stand volumes (the cubic-foot volume in trees between 3.5 and 9.5 inches d.b.h. and the volume in the tops of sawtimber trees between 7 and 3 inches d.o.b.) can be estimated as:

(11) $$VIP = VIM - VIS, \text{ or } VOP = VOM - VOS,$$

where VIP and VOP are pulpwood volumes i.b. and o.b., respectively.

Quick and crude estimates of cords in pulpwood can be obtained as: VIP/80 for inside-bark or VOP/90 for outside-bark.

Table 3.—*Goodness of fit statistics for values predicted by equations (2) through (10) and (13)*

Value	Eq.#	n	$\bar{o}$	$\bar{d}$	RMSd	$\overline{\%d}$	RMS%d	FI
BAT2	(2)	312	91	.6	4.6	1.5	6.1	.985
BAS2	(3)	203	62	.1	5.6	2.5	22.7	.974
VIT1	(4)	312	1933	24.0	90.0	2.5	6.6	.995
VIT2*	(4)	312	2415	4.3	168.4	.7	8.1	.982
VOT1	(5)	312	2503	27.3	91.9	1.9	5.0	.996
VOT2*	(5)	312	3107	7.4	195.7	.8	7.5	.984
VIM1	(6)	312	1832	38.4	141.0	8.3	30.2	.988
VIM2*	(6)	312	2319	15.9	194.9	1.0	11.1	.977
VOM1	(7)	312	2356	53.6	175.1	8.4	29.7	.988
VOM2*	(7)	312	2970	29.0	234.6	1.4	10.4	.978
VIS1	(8)	203	1433	10.2	46.6	.5	5.7	.998
VIS2*	(8)	203	1834	−4.3	143.5	1.2	19.9	.986
VOS1	(9)	203	1782	12.1	49.8	.4	4.8	.999
VOS2*	(9)	203	2274	−4.0	178.9	1.4	20.2	.985
BF1	(10)	203	8977	89.4	411.9	2.6	9.8	.997
BF2*	(10)	203	11544	−4.2	949.6	2.3	21.5	.985
D	(13)	624	8.47	.0001	.9441	1.8	14.2	.936

*All predictors for volume at the end of the period use projected basal area as the argument for basal area.

n = number of observations
$\bar{d}$ = average difference between predicted (p) and observed (o)
= [sum(p-o)]/n
RMS%D = $\sqrt{\{[\text{sum}((p-o)/o)^2]/n\}}(100)$

$\bar{o}$ = average observed value
RMSd = $\sqrt{[\text{sum}(p-o)^2]/n}$
$\overline{\%d}$ = [sum((p-o)/o)/n](100)
FI = fit index
= 1 − [sum$(o-p)^2$/sum$(o-\bar{o})^2$]

Cordwood Conversion

For cordwood conversions, the system employed in SO-156 is used again with updated equations for VIT and D:

(12) $C5 = (VIT)[0.0126 - 0.0056/D - 0.01989/(D^2)]$

where C5 = estimated rough cords per acre; d.b.h. > 5 inches, 4-inch top d.o.b., 0.7-foot stump
D = predicted quadratic mean stand d.b.h.; all trees with d.b.h. > 0.5 inch (d.b.h. of the tree of mean basal area)

and

(13) $D = -1.0029 + 0.0013562(A^2) + 0.0047379(A)(S) - 0.00091464(A)(BT) - 0.000039501(A^2)(S) + 0.0000062696(A^2)(BT).$

Equation (13) is based on 624 observations and can estimate either initial or final D depending on the arguments for A and BT. The fit statistics for this equation are shown in table 3.

To get an estimate of the cord volume in pulpwood, the following equations can be used:

Let:

VOP = (VOM − VOS) = cubic-foot volume in pulpwood
CS = cords in sawtimber and
CP = (C5 − CS) = cords in pulpwood.

Assume that:

$$(VOM - VOS)/VOM = (C5 - CS)/C5.$$

Then,

(14) $$CP = [(C5)(VOP)]/VOM.$$

Schumacher and Coile (1960) used stand total cubic-foot volume, i.b., and quadratic mean stand d.b.h. as arguments to derive equation (12). The arguments here differ slightly in definition, but the difference is not great enough to prohibit useful estimates. Since cord volume was not actually observed, no fit statistics for equations (12) and (14) are possible.

Dry Weight

To estimate dry weight of wood per acre, use estimates of VIM or VIS and wood specific gravity values from Appendix tables 29–36 in Wahlgren and Schumann (1975) may be used as follows:

(15) $$WIM = (VIM)(62.4)(SGA) \text{ and}$$

(16) $$WIS = (VIS)(62.4)(SGS)$$

where WIM = approximate wood dry weight in pounds per acre; for the stand with d.b.h. > 3.5 inches, 3-inch top d.o.b., 0.2-foot stump

SGA = average tree specific gravity, all d.b.h. classes (Wahlgren and Schumann 1975)

WIS = approximate wood dry weight in pounds per acre; for the stand with d.b.h. > 9.5 inches, 7-inch top d.o.b., 0.2-foot stump

SGS = average tree specific gravity, sawtimber classes (d.b.h. > 9.0 inches) (Wahlgren and Schumann 1975).

The merchantability specifications used here differ somewhat from Wahlgren's and Schumann's, but the weight estimates should be satisfactory for most purposes.

APPLICATION

Preliminaries

Equations (2) through (16) provide the means for simulating a wide variety of thinnning schedules and rotation lengths both for existing and hypothetical stand conditions. Initial conditions should be:

A1 = 20 to 80 years
S = 46 to 95 feet
BT1 = 16 to 165 square feet
BS1 = similar to the values shown in table 2.

The minimum initial age (A1) may be 15 years but 20 is preferable because site index estimates are more precise at older ages. Also, ingrowth above merchantability thresholds may have a sudden and highly variable effect at young ages. It is possible to start predictions as early as age 10 for site index 70 and 80 stands by using (a) information on stand density as surviving trees per acre at this early age and (b) the predictors in Farrar (1985). But, again, this is risky for the above reasons.

Because the system of equations herein is based on stands essentially thinned from below for one or two 5-year growth periods, it is prudent to restrict projections to short periods—preferably 5 to 10 years but probably no more than 30 years at the most. Single long-term projections are not as reliable as short-term projections and also exclude long-term mortality effects. Forecasting production to age 80 for a thinning regime starting at age 30 and employing 5- or 10-year cutting intervals is preferable to forecasting production of an unthinned stand from age 30 to 80.

Although the fit statistics (table 3) indicate that sawtimber volume predictions are about as reliable as those for total and merchantable cubic feet, a qualification is necessary. This system predicts a unique set of volumes for any given combination of A, S, and BT or BS, regardless of the way a stand may have reached that condition. For stand total and merchantable cubic-foot volume, in general, this is reasonable because such volumes are largely a function of age, site index, and total basal area of the stand without regard to the size distribution of the stems. But, the nature of the diameter distribution of the stand above the sawtimber threshold is very important in determining stand sawtimber cubic-foot and board-foot volumes, especially for a highly diameter-dependent log rule such as Doyle.

Many of the stands in this study have grown under their prescribed densities for only 5 to 10 years, not for all or most of their lives, and their diameter distributions and predicted sawtimber responses probably do not yet completely reflect the density treatments imposed, particularly in the older age classes. International 1/4-inch volumes, similar to cubic-foot volumes, should be less sensitive to these circumstances than, for example, Doyle rule volumes. Because the International 1/4 rule most accurately reflects the board-foot content of a tree recoverable by an efficient band mill, it does not penalize small or large trees as do the Doyle and Scribner rules, respectively.

However, a true picture of treatment-induced diameter distributions and sawtimber-sized material will emerge when the 20-year age-class plots initially established have been managed under the imposed density levels by thinning periodically over a rotation of at least 60 years. Some users would prefer a rotation of 80 years or longer.

Since sawtimber predictions here are most likely to largely reflect the unknown stand histories occurring before the stands were included in the study, they should be used with caution. Additional inventories and analyses should provide better sawtimber volume estimates because, as time passes, more of the stands will have been managed under their prescribed density levels.

The Appendix contains tables showing predicted current and future basal areas and volumes for an extensive array of initial and final ages, site indices, and basal areas at the initial age. For convenience, the complete array of predicted values is often presented in these tables, but certain combinations,

though possible, are highly improbable because they represent stand conditions not likely to be found—i.e., a 20-year old stand on site index 50 containing 150 square feet of total basal area with R1 = BS1/BT1 = 100 percent. Readers are cautioned, when using these tables, to specify reasonable stand conditions.

Appendix tables 1 through 28 give VIT and VOT volume estimates plus BT2 estimates; tables 29 through 56 give VIM and VOM estimates; table 57 gives BS2 estimates; and tables 58 through 60 give VIS, VOS, and BF estimates. Through these tables, the equation system has been made usable by those without significant computing facilities. However, the equation system can be used to make predictions for many combinations of initial and final stand conditions not shown in the Appendix tables.

The system is easily incorporated into computer simulation programs or adapted to electronic spreadsheet software widely available for micro-computers. In fact, the equation system has been programmed on two magnetic strips for the TI-59/PC-100C hand-held computer/printer[2]. The program code listing is available free of charge on request from the Southern Forest Experiment Station Silvicultural Laboratory at Monticello, Arkansas, along with program documentation and test problem. Also available upon request are the cell contents listing (operations, functions, etc.) and example output from the SuperCalc[2] electronic spreadsheet program for an 8-bit CP/M microcomputer. The cell contents listing will allow easy adaptation of this prediction system to any similar program as long as it has or exceeds the capability of SuperCalc.

Figure 1 illustrates the function of the system of equations to predict current volumes for a stand and to project the basal areas for a growth period and to obtain the future stand volumes.

[2]Use of trade names does not imply endorsement by the USDA Forest Service. Such names are used only for illustrative purposes and other similar items may serve just as well.

Examples

Table 4 gives four examples illustrating use of the prediction system and associated Appendix tables. Each example assumes that initial stand and operating conditions are:

A1 = 30 years
S = 70 feet at 50 years
BT1 (before cut) = 100 square feet
BS1 (before cut) = 5 square feet
rotation = 60 years
cutting interval = 5 years
thinning = from below

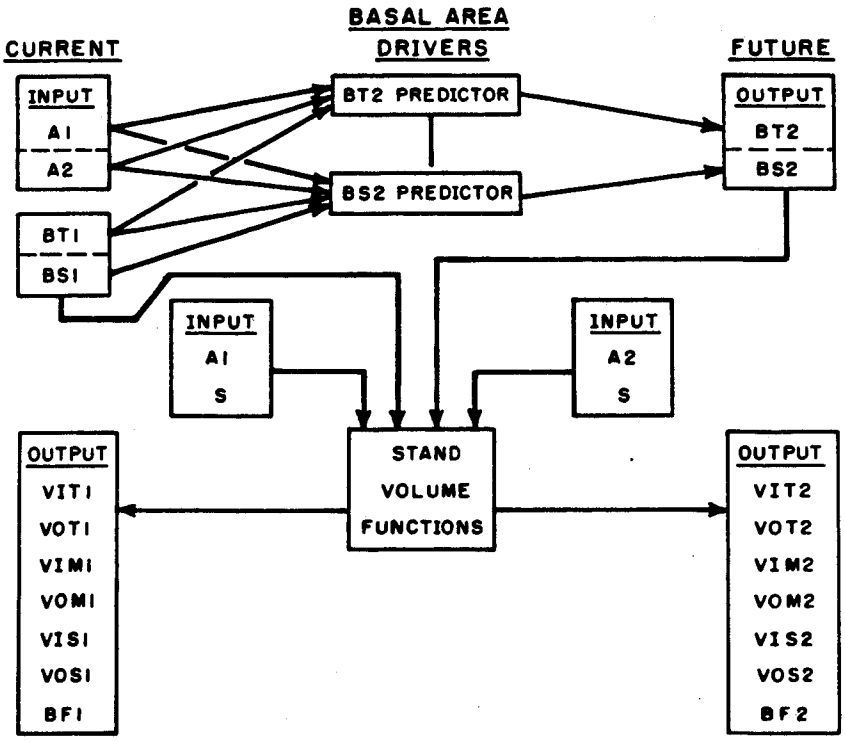

Figure 1.—*Schematic of System Operation (abbreviated).*

Table 4.—*Illustrations of the use of the stand volume prediction system, site index = 70*

	Before-cut stand							After-cut stand							Cut stand						
Age	BT	VIT	VOT	BS	VIS	VOS	BF	BT	VIT	VOT	BS	VIS	VOS	BF	BT	VIT	VOT	BS	VIS	VOS	BF
Example 1 (similar to example 1 in SO-156)																					
30	100	2073	2813	5	87	114	499	70	1463	1971	5	87	114	499	30	610	842	0	0	0	0
35	89	2061	2732	14	277	359	1645	70	1624	2142	14	277	359	1645	19	437	590	0	0	0	0
40	87	2165	2823	30	659	845	3986	70	1756	2280	21	462	591	2770	17	409	543	9	197	254	1216
45	85	2249	2895	38	904	1149	5515	70	1867	2393	28	667	847	4039	15	382	502	10	237	302	1476
50	83	2318	2954	45	1142	1441	7005	60	1686	2134	36	914	1152	5578	23	632	820	9	228	289	1427
55	71	2080	2620	50	1338	1677	8238	30	891	1104	30	804	1005	4891	41	1189	1516	20	534	672	3347
60	38	1146	1416	38	1064	1324	6515	0	0	0	0	0	0	0	38	1146	1416	38	1064	1324	6515
														Yield =	183	4805	6229	86	2260	2841	13981
														M.a.i. =	3.1	80	104	1.4	38	47	233
Example 2 (increasing residual total basal area)																					
30	100	2073	2813	5	87	114	499	70	1463	1971	5	87	114	499	30	610	842	0	0	0	0
35	89	2061	2732	14	277	359	1645	75	1738	2295	14	277	359	1645	14	323	437	0	0	0	0
40	92	2290	2989	32	703	901	4258	80	2001	2605	24	527	676	3174	12	289	384	8	176	225	1084
45	95	2515	3244	42	999	1270	6108	85	2257	2905	34	809	1028	4923	10	258	339	8	190	242	1185
50	98	2733	3494	53	1345	1697	8279	60	1686	2134	42	1066	1344	6529	38	1047	1360	11	279	353	1750
55	71	2080	2620	56	1498	1879	9249	30	891	1104	30	804	1005	4891	41	1189	1516	26	694	874	4358
60	38	1146	1416	38	1064	1324	6515	0	0	0	0	0	0	0	38	1146	1416	38	1064	1324	6515
														Yield =	183	4862	6294	91	2403	3018	14892
														M.a.i =	3.1	81	105	1.5	40	50	248
Example 3 (decreasing residual total basal area)																					
30	100	2073	2813	5	87	114	499	70	1463	1971	5	87	114	499	30	610	842	0	0	0	0
35	89	2061	2732	14	277	359	1645	65	1511	1990	14	277	359	1645	24	550	742	0	0	0	0
40	82	2036	2651	31	681	873	4122	60	1511	1955	24	527	676	3174	22	525	696	7	154	197	948
45	74	1976	2536	41	976	1240	5960	55	1475	1882	33	785	998	4776	19	501	654	8	191	242	1184
50	68	1885	2391	48	1218	1537	7483	60	1686	2134	40	1016	1280	6212	8	199	257	8	202	257	1271
55	71	2080	2620	54	1444	1811	8912	30	891	1104	30	804	1005	4891	41	1189	1516	24	640	806	4021
60	38	1146	1416	38	1064	1324	6515	0	0	0	0	0	0	0	38	1146	1416	38	1064	1324	6515
														Yield =	182	4720	6123	85	2251	2826	13939
														M.a.i =	3.0	79	102	1.4	38	47	232
Example 4 (similar to example 3 in SO-156)																					
30	100	2073	2813	5	87	114	499	100	2073	2813	5	87	114	499	0	0	0	0	0	0	0
50	157	4326	5583	78	1976	2500	12282	60	1686	2134	60	1521	1922	9396	97	2640	3449	18	455	578	2886
55	71	2080	2620	71	1898	2383	11783	30	891	1104	30	804	1005	4891	41	1189	1516	41	1094	1378	6892
60	38	1146	1416	38	1064	1324	6515	0	0	0	0	0	0	0	38	1146	1416	38	1064	1324	6515
														Yield =	176	4975	6381	97	2613	3280	16293
														M.a.i. =	2.9	83	106	1.6	44	55	272

minimum sawtimber cut = about 1Mbf
regeneration = shelterwood preparatory cut at age 50, seed cut at age 55, and removal cut at age 60.

Example 1 assumes a constant residual BT of 70 square feet is left after each cut. Example 2 assumes that an increasing BT is left after each cut. Example 3 assumes a decreasing BT and Example 4 assumes no intermediate cuts. All basal area and volume values for these examples can be found or interpolated in the Appendix tables.

For Example 1 the values are obtained as follows: Enter Appendix table 9 at initial total basal area (BT1) = 100, initial age (A1) = 30 years, and site index (S) = 70; read 2,073 total cubic feet, i.b. (VIT). Similarly, enter Appendix table 23 for the same conditions and read 2,813 total cubic feet, o.b. (VOT). Enter Appendix table 58 at age (A) = 30, sawtimber basal area (BS) = 5, and S = 70 and read 87 sawtimber cubic feet, i.b. (VIS). Similarly, enter table 59 and table 60 for these same sawtimber stand conditions and read 114 sawtimber cubic feet, o.b. (VOS) and 499 fbm Int. 1/4 rule (BF). These are the before-cut standing volumes at age 30.

We want to thin from below at age 30 and leave BT = 70. We leave BS = 5 because we do not want to sacrifice any of our sawtimber stand now (assuming it is all good growing stock). To obtain the after-cut stand volumes, we proceed as follows: Enter Appendix table 6 at BT1 = 70, A1 = 30, A2 = 30, S = 70, and read VIT = 1,463. With the same stand conditions, enter Appendix table 20 and read VOT = 1,971. Since we are not cutting any sawtimber basal area, the sawtimber volumes remain the same in the after-cut stand as in the before-cut stand. We obtain the cut-stand values at age 30 by subtracting the after-cut values from the before-cut values, item by item.

Now, to project the after-cut stand forward 5 years in time, enter Appendix table 6 at BT1 = 70, A1 = 30, A2 = 35, S = 70, and read VIT2 = 2,061 and BT2 = 89. Similarly, from Appendix table 20 we find VOT2 = 2,732 (and, again, BT2 = 89). Enter Appendix table 57 at A1 = 30, A2 = 35, BT1 = 70, and R1 = 5/70 = 0.07 and interpolate BS2 = 14. Then, in tables 58, 59, and 60 for A = 35, S = 70, and BS = 14, interpolate VIS2 = 277, VOS2 = 359, and BF2 = 1,645. These are, for practical purposes, the projected stand values, before cut, at age 35.

Again, at stand age 35, we thin to leave BT = 70 and, since our sawtimber volume is unlikely to support a commercial cut, we leave the BS = 14. To get after-cut stand values at age 35, enter Appendix table 6 at BT1 = 70, A1 = 35, A2 = 35, S = 70, and read VIT = 1,624. Similarly, in table 20 read VOT = 2,142. Again, since we did not cut any sawtimber, the BS, VIS, VOS, and BF values remain the same as before cut.

We now project the stand from age 35 to 40 by again entering Appendix table 6 at BT1 = 70, A1 = 35, A2 = 40, and S = 70. Read VIT2 = 2,165 and BT2 = 87. Similarly, in Appendix table 20, read VOT2 = 2,823. In Appendix table 57 for A1 = 35, A2 = 40, BT1 = 70 and R1 = 14/70 = 0.2, read BS2 = 30. Now, in tables 58, 59, and 60 for A = 40, S = 70, and BS = 30, read VIS = 659, VOS = 845, and BF = 3,986, respectively. These are the projected stand values, before cut, at age 40.

Again, at age 40, we cut to leave BT = 70 and now we can make a sawtimber thinning to provide a cut > 1Mbf. We can do this by reducing the BS from 30 to 21 or cutting about 30 percent. To obtain the after-cut values, enter Appendix table 6 at BT1 = 70, A1 = 40, A2 = 40, S = 70, and read VIT = 1,756. Similarly, from table 20, VOT = 2,280. Entering tables 58, 59, and 60 at A = 40, S = 70, and BS = 21, we interpolate VIS = 462, VOS = 591, and BF = 2,770, respectively. We obtain our cut-stand values at age 40 by subtracting after-cut values from before-cut values.

This procedure is repeated until at age 60 we have projected values of BT = 38, VIT = 1,146, VOT = 1,416, BS = 38, VIS = 1,064, VOS = 1,324, and BF = 6,515. At this time we harvest the shelterwood stand. Note that at ages 45 and 50 we cut about 1/4 of the sawtimber basal area and assumed at age 50 that all of the residual basal area would be in sawtimber. Note also that it is conceptually impossible to have a sawtimber basal area cut greater than a total basal area cut since the BS is imbedded in the BT. Estimate the net yields by summing the cut values over the rotation. We can then estimate the mean annual increment (m.a.i.) for the rotation by dividing the yields by 60.

The values for the other three examples in table 4 were obtained in similar fashion.

Under the specified conditions, these examples suggest that:

(a) thinning reduces net yields,
(b) thinning to periodically increase the residual BT resulted in the greatest yield among the thinning examples, and
(c) thinning to leave a constant BT and thinning to periodically reduce the residual BT are about equal in yield, but in the latter example the BF volume in the seed cut was roughly 1Mbf greater.

This system of equations is quite comparable to the system presented in SO-156 by Farrar (1979) regarding total and merchantable cubic-foot volumes and is a considerable improvement regarding sawtimber volumes. Referring to Examples 1, 4, 5, and 6 in SO-156 and Example 1 and table 5 herein, we see that the total and merchantable cubic-foot volume values are, respectively, nearly equal. Differences occur in

Table 5.—*Current system predictions for tables 4, 5, and 6 in SO-156. SI 70*

	Before-cut stand							After-cut stand							Cut stand						
	BT	VIM	VOM	BS	VIS	VOS	BF	BT	VIM	VOM	BS	VIS	VOS	BF	BT	VIM	VOM	BS	VIS	VOS	BF
30	100	1933	2622	3.5	61*	80*	349*	70	1371	1847	3.5	61*	80*	349*	30	562	775	0	0	0	0
35	89	1977	2620	11	219	283	1287	70	1563	2061	11	219	283	1287	19	414	559	0	0	0	0
40	87	2108	2748	25	549	704	3309	70	1714	2225	24	527	676	3174	17	394	523	1	22	28	135
45	85	2209	2843	43	1023	1301	6257	70	1836	2355	40	952	1210	5811	15	373	488	3	71	91	446
50	83	2290	2917	58	1471	1858	9077	60	1669	2112	48	1218	1537	7483	23	621	805	10	253	321	1594
55	71	2062	2598	62	1658	2080	10261	30	888	1100	30	804	1005	4891	41	1174	1498	32	854	1075	5370
60	38	1142	1411	38	1064	1324	6515	0	0	0	0	0	0	0	38	1142	1411	38	1064	1324	6515
														Yield =	183	4680	6059	84	2264	2839	14060
														M.a.i. =	3.1	78	101	1.4	38	47	234

* = estimated by multiplying vol./sq.ft. of BS in smallest BS class (i.e., Appendix table 58) by 3.5

sawtimber volume comparisons because the present system allows the sawtimber basal area to be manipulated, within limits, whereas the former does not. The present system also features a total basal area projector that is more accurate for longer projection periods. Its separate sawtimber basal area projector also eliminates the minor inconsistency in estimating sawtimber volumes in thinning exercises at young ages encountered in the SO-156 system. By assuming BS1 = 3.5 at age 30 and simulating similar noncommercial periodic sawtimber cuts, the present system can be made to approximate Examples 5 and 6 illustrated for the SO-156 system (table 5).

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Table 1.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 20 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	220	256	299	348	406	20
	25	499	582	678	791	922	37
	30	861	1004	1171	1365	1591	56
	35	1263	1472	1716	2001	2332	74
	40	1668	1945	2267	2643	3082	91
	45	2057	2398	2796	3260	3800	106
	50	2419	2820	3288	3833	4469	119
25	25	274	319	372	434	506	20
	30	522	609	710	828	965	33
	35	830	967	1128	1315	1533	48
	40	1169	1363	1589	1852	2160	63
	45	1518	1770	2063	2406	2804	78
	50	1861	2170	2530	2949	3438	91
	55	2189	2552	2975	3468	4043	103
30	30	317	369	430	502	585	20
	35	540	629	733	855	997	31
	40	806	940	1096	1277	1489	43
	45	1099	1281	1494	1741	2030	56
	50	1403	1636	1907	2223	2592	68
	55	1707	1990	2320	2704	3153	80
	60	2002	2334	2721	3173	3699	91
35	35	352	410	478	557	649	20
	40	553	645	751	876	1021	29
	45	788	919	1071	1248	1455	40
	50	1045	1218	1420	1656	1930	50
	55	1313	1531	1784	2080	2425	61
	60	1584	1846	2152	2509	2926	72
	65	1851	2157	2515	2932	3419	81
40	40	380	443	517	602	702	20
	45	563	657	766	893	1041	28
	50	774	902	1051	1226	1429	37
	55	1002	1168	1362	1588	1851	46
	60	1241	1447	1687	1967	2293	56
	65	1484	1730	2017	2352	2742	65
	70	1726	2013	2347	2736	3189	74

Table 1.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 20 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	404	471	549	640	746	20
	50	572	667	778	907	1057	27
	55	762	888	1036	1207	1408	35
	60	967	1128	1315	1533	1787	43
	65	1183	1379	1608	1874	2185	52
	70	1403	1635	1907	2223	2591	60
	75	1624	1893	2207	2573	2999	68
50	50	424	494	576	672	783	20
	55	579	675	787	918	1070	26
	60	752	877	1023	1192	1390	33
	65	939	1095	1276	1488	1735	41
	70	1135	1323	1542	1798	2096	48
	75	1335	1556	1815	2116	2466	56
	80	1537	1792	2089	2436	2840	63
55	55	441	515	600	699	815	20
	60	585	682	796	928	1081	26
	65	745	868	1012	1180	1375	32
	70	915	1067	1244	1450	1691	39
	75	1094	1276	1487	1734	2021	45
	80	1278	1490	1737	2025	2361	52
60	60	456	532	620	723	843	20
	65	591	688	803	936	1091	25
	70	738	860	1003	1169	1363	31
	75	895	1044	1217	1418	1654	37
	80	1060	1236	1441	1680	1958	43
65	65	469	547	638	744	867	20
	70	595	694	809	943	1099	25
	75	732	853	995	1160	1352	30
	80	878	1023	1193	1391	1622	36
70	70	481	560	653	762	888	20
	75	599	698	814	949	1106	25
	80	727	848	988	1152	1343	29
75	75	491	572	667	778	907	20
	80	602	702	819	955	1113	24
80	80	500	583	679	792	923	20

Table 2.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 30 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	327	381	444	518	603	30
	25	686	799	932	1087	1267	51
	30	1114	1299	1515	1766	2059	73
	35	1560	1818	2120	2472	2881	92
	40	1989	2319	2704	3152	3675	109
	45	2387	2783	3244	3782	4409	123
	50	2746	3202	3733	4352	5074	135
25	25	407	474	553	644	751	30
	30	728	848	989	1153	1344	47
	35	1097	1279	1491	1739	2027	64
	40	1482	1728	2015	2349	2739	81
	45	1861	2169	2529	2949	3438	96
	50	2220	2588	3017	3517	4100	109
	55	2552	2975	3469	4044	4714	121
30	30	471	549	640	746	869	30
	35	759	885	1032	1203	1402	44
	40	1083	1263	1472	1717	2001	58
	45	1421	1657	1932	2252	2626	73
	50	1758	2049	2389	2785	3247	86
	55	2082	2427	2829	3299	3846	98
	60	2388	2784	3245	3783	4411	109
35	35	522	609	710	828	965	30
	40	784	913	1065	1242	1447	42
	45	1072	1250	1457	1699	1980	54
	50	1373	1600	1866	2175	2536	67
	55	1674	1952	2275	2652	3092	78
	60	1968	2294	2675	3118	3635	89
	65	2249	2622	3057	3564	4155	100
40	40	565	658	768	895	1043	30
	45	803	936	1091	1272	1483	40
	50	1063	1239	1444	1684	1963	51
	55	1333	1554	1812	2112	2462	62
	60	1605	1872	2182	2544	2966	73
	65	1873	2184	2546	2969	3461	83
	70	2133	2487	2899	3380	3940	92

Table 2.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 30 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	600	700	816	951	1109	30
	50	819	955	1113	1298	1513	39
	55	1055	1230	1434	1672	1949	49
	60	1300	1516	1767	2060	2402	58
	65	1548	1805	2104	2453	2860	68
	70	1794	2092	2439	2843	3314	77
	75	2034	2371	2764	3223	3757	86
50	50	630	735	857	999	1164	30
	55	832	970	1131	1319	1537	38
	60	1048	1222	1425	1661	1937	47
	65	1273	1484	1730	2017	2351	56
	70	1500	1749	2039	2377	2772	64
	75	1727	2013	2347	2736	3190	73
	80	1949	2273	2650	3089	3601	81
55	55	656	765	891	1039	1212	30
	60	843	983	1146	1336	1558	38
	65	1043	1216	1417	1652	1926	45
	70	1250	1457	1698	1980	2308	53
	75	1460	1702	1984	2313	2696	61
	80	1669	1946	2269	2645	3084	69
60	60	678	790	921	1074	1252	30
	65	853	994	1159	1351	1576	37
	70	1038	1210	1411	1645	1918	44
	75	1230	1434	1671	1949	2272	51
	80	1424	1661	1936	2257	2632	58
65	65	697	813	948	1105	1288	30
	70	861	1004	1171	1365	1591	36
	75	1034	1205	1405	1638	1910	43
	80	1212	1413	1648	1921	2240	50
70	70	714	833	971	1132	1319	30
	75	868	1012	1180	1376	1604	36
	80	1030	1201	1400	1633	1903	42
75	75	729	850	991	1156	1347	30
	80	875	1020	1189	1386	1616	35
80	80	743	866	1009	1177	1372	30

Table 3.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 40 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	433	504	588	686	799	40
	25	855	996	1161	1354	1579	64
	30	1328	1548	1805	2104	2453	87
	35	1798	2096	2444	2849	3322	106
	40	2237	2608	3040	3544	4132	123
	45	2633	3070	3579	4172	4864	136
	50	2985	3480	4057	4730	5514	147
25	25	539	628	732	853	995	40
	30	917	1069	1246	1453	1693	59
	35	1329	1549	1806	2106	2455	78
	40	1741	2030	2367	2759	3217	95
	45	2133	2487	2900	3380	3941	110
	50	2496	2910	3392	3955	4610	123
	55	2825	3293	3840	4476	5219	134
30	30	623	727	847	988	1151	40
	35	964	1123	1310	1527	1780	56
	40	1328	1548	1805	2104	2453	72
	45	1694	1975	2302	2684	3129	87
	50	2047	2386	2782	3243	3781	100
	55	2378	2772	3232	3768	4393	112
	60	2685	3130	3649	4254	4960	123
35	35	692	807	940	1096	1278	40
	40	1000	1166	1359	1585	1847	54
	45	1326	1546	1803	2102	2450	68
	50	1654	1929	2249	2622	3056	81
	55	1974	2301	2683	3128	3647	93
	60	2278	2656	3096	3610	4208	104
	65	2563	2988	3484	4062	4735	114
40	40	748	872	1017	1185	1382	40
	45	1029	1200	1399	1631	1901	52
	50	1324	1544	1800	2098	2446	64
	55	1622	1891	2204	2570	2996	76
	60	1913	2230	2600	3031	3534	87
	65	2193	2557	2981	3475	4052	97
	70	2459	2867	3342	3896	4542	106

Table 3.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 40 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	795	927	1081	1260	1469	40
	50	1053	1228	1432	1669	1946	51
	55	1322	1542	1797	2095	2443	62
	60	1594	1858	2166	2526	2945	72
	65	1861	2170	2530	2950	3439	82
	70	2120	2472	2882	3360	3917	91
	75	2368	2761	3219	3753	4375	100
50	50	835	973	1134	1323	1542	40
	55	1073	1251	1459	1701	1983	50
	60	1321	1540	1795	2093	2440	59
	65	1570	1831	2134	2488	2901	69
	70	1817	2119	2470	2880	3357	78
	75	2058	2399	2797	3261	3802	87
	80	2290	2669	3112	3628	4230	95
55	55	869	1013	1181	1376	1605	40
	60	1090	1271	1482	1727	2014	49
	65	1319	1538	1793	2090	2437	58
	70	1550	1807	2107	2456	2864	66
	75	1779	2074	2418	2819	3287	75
	80	2004	2336	2723	3175	3701	83
60	60	898	1047	1220	1423	1659	40
	65	1105	1288	1501	1750	2041	48
	70	1318	1536	1791	2088	2434	56
	75	1532	1787	2083	2428	2831	64
	80	1746	2036	2373	2767	3226	72
65	65	923	1077	1255	1463	1706	40
	70	1117	1302	1518	1770	2064	47
	75	1316	1534	1789	2086	2431	55
	80	1517	1769	2062	2404	2803	62
70	70	946	1103	1286	1499	1748	40
	75	1128	1315	1533	1788	2084	47
	80	1315	1533	1787	2084	2429	54
75	75	966	1126	1313	1531	1784	40
	80	1138	1327	1547	1803	2102	46
80	80	984	1147	1337	1559	1817	40

Table 4.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	538	627	731	853	994	50
	25	1010	1178	1373	1601	1867	76
	30	1515	1766	2059	2401	2799	99
	35	1999	2330	2717	3167	3693	119
	40	2439	2844	3315	3865	4506	134
	45	2830	3299	3846	4484	5228	147
	50	3173	3699	4312	5027	5861	157
25	25	670	781	910	1061	1237	50
	30	1094	1275	1486	1733	2020	71
	35	1536	1791	2088	2434	2838	91
	40	1964	2290	2670	3112	3628	107
	45	2361	2753	3209	3742	4362	122
	50	2721	3173	3699	4312	5028	134
	55	3044	3549	4138	4824	5624	144
30	30	775	904	1053	1228	1432	50
	35	1156	1348	1572	1833	2136	68
	40	1550	1807	2106	2455	2863	84
	45	1932	2253	2627	3062	3570	99
	50	2293	2673	3116	3633	4236	113
	55	2625	3060	3568	4159	4849	124
	60	2928	3413	3979	4639	5408	134
35	35	860	1003	1169	1363	1589	50
	40	1206	1406	1639	1911	2228	65
	45	1559	1818	2119	2470	2880	80
	50	1905	2221	2589	3018	3519	93
	55	2233	2604	3036	3539	4126	105
	60	2541	2962	3453	4026	4693	116
	65	2824	3293	3839	4475	5217	126
40	40	930	1085	1264	1474	1719	50
	45	1245	1452	1693	1974	2301	63
	50	1566	1826	2128	2481	2893	76
	55	1881	2193	2556	2980	3474	88
	60	2183	2544	2966	3458	4032	99
	65	2467	2876	3354	3910	4558	109
	70	2733	3187	3715	4331	5049	119

Table 4.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	989	1153	1344	1567	1826	50
	50	1278	1490	1737	2025	2361	62
	55	1571	1832	2136	2490	2903	73
	60	1860	2168	2528	2947	3436	84
	65	2139	2493	2907	3389	3951	94
	70	2404	2802	3267	3809	4440	104
	75	2653	3093	3606	4204	4901	113
50	50	1038	1210	1411	1645	1918	50
	55	1305	1522	1774	2068	2411	61
	60	1575	1837	2141	2496	2910	71
	65	1842	2147	2503	2919	3403	81
	70	2100	2449	2855	3328	3880	91
	75	2348	2737	3191	3720	4337	99
	80	2583	3011	3510	4092	4771	107
55	55	1080	1259	1468	1712	1995	50
	60	1328	1549	1805	2105	2454	60
	65	1579	1840	2146	2502	2916	69
	70	1826	2129	2482	2894	3373	78
	75	2067	2410	2809	3275	3818	87
	80	2299	2680	3125	3643	4247	95
60	60	1117	1302	1518	1769	2063	50
	65	1348	1572	1832	2136	2491	59
	70	1581	1844	2149	2506	2921	68
	75	1812	2113	2463	2872	3348	76
	80	2038	2376	2770	3229	3764	84
65	65	1148	1339	1561	1820	2121	50
	70	1365	1592	1856	2164	2522	58
	75	1584	1846	2152	2509	2926	66
	80	1800	2098	2446	2852	3325	74
70	70	1176	1371	1599	1864	2173	50
	75	1380	1609	1876	2187	2550	58
	80	1586	1849	2155	2512	2929	65
75	75	1201	1400	1633	1903	2219	50
	80	1394	1625	1894	2209	2575	57
80	80	1223	1426	1663	1938	2260	50

Table 5.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 60 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	643	750	874	1019	1188	60
	25	1156	1348	1572	1832	2136	87
	30	1683	1962	2287	2666	3108	111
	35	2173	2533	2954	3443	4014	129
	40	2611	3044	3549	4137	4823	144
	45	2994	3491	4069	4744	5531	155
	50	3327	3879	4522	5272	6146	165
25	25	800	933	1088	1268	1479	60
	30	1261	1470	1714	1998	2329	82
	35	1724	2010	2344	2732	3185	102
	40	2161	2519	2937	3424	3992	118
	45	2558	2982	3477	4054	4726	132
	50	2913	3396	3959	4616	5381	144
	55	3227	3763	4387	5114	5962	153
30	30	926	1080	1259	1468	1711	60
	35	1340	1563	1822	2124	2476	79
	40	1754	2044	2384	2779	3240	96
	45	2146	2502	2917	3401	3965	111
	50	2508	2924	3409	3975	4634	123
	55	2837	3308	3857	4496	5242	134
	60	3134	3653	4259	4966	5789	144
35	35	1028	1198	1397	1629	1899	60
	40	1403	1636	1907	2223	2592	76
	45	1775	2070	2413	2813	3280	91
	50	2131	2485	2897	3377	3937	104
	55	2464	2872	3348	3904	4551	116
	60	2769	3229	3764	4388	5116	127
	65	3048	3554	4143	4830	5631	136
40	40	1112	1296	1511	1761	2054	60
	45	1454	1695	1976	2303	2685	74
	50	1792	2089	2436	2840	3311	87
	55	2117	2469	2878	3355	3912	100
	60	2424	2826	3294	3841	4478	111
	65	2709	3158	3682	4292	5004	120
	70	2971	3464	4039	4709	5489	129

Table 5.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 60 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	1181	1377	1606	1872	2182	60
	50	1495	1743	2032	2369	2762	73
	55	1805	2105	2454	2861	3335	85
	60	2105	2454	2861	3335	3888	96
	65	2389	2785	3247	3785	4413	106
	70	2655	3095	3609	4207	4905	115
	75	2903	3384	3945	4600	5363	123
50	50	1240	1446	1686	1965	2291	60
	55	1530	1784	2080	2424	2826	71
	60	1816	2117	2469	2878	3355	82
	65	2093	2441	2845	3317	3867	92
	70	2358	2749	3205	3736	4356	102
	75	2607	3040	3544	4132	4817	111
	80	2842	3313	3862	4503	5249	118
55	55	1291	1505	1754	2045	2384	60
	60	1560	1818	2120	2471	2881	70
	65	1825	2128	2481	2892	3372	80
	70	2083	2429	2831	3301	3848	90
	75	2330	2717	3167	3693	4305	99
	80	2565	2991	3487	4065	4739	107
60	60	1334	1556	1813	2114	2465	60
	65	1585	1848	2154	2512	2928	70
	70	1833	2137	2491	2904	3386	79
	75	2074	2418	2819	3286	3831	87
	80	2306	2688	3134	3654	4260	96
65	65	1372	1600	1865	2174	2535	60
	70	1607	1874	2184	2547	2969	69
	75	1839	2144	2500	2914	3398	77
	80	2066	2408	2808	3273	3816	85
70	70	1406	1639	1911	2227	2597	60
	75	1627	1896	2211	2577	3005	68
	80	1845	2151	2507	2923	3408	76
75	75	1435	1673	1951	2274	2652	60
	80	1644	1916	2234	2605	3037	68
80	80	1462	1704	1987	2316	2700	60

Table 6.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longlea. pine in the East Gulf, initial basal area (BT1) = 70 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	747	871	1016	1184	1381	70
	25	1294	1509	1759	2051	2391	98
	30	1835	2139	2494	2908	3390	121
	35	2327	2713	3163	3688	4300	139
	40	2760	3218	3752	4374	5099	152
	45	3135	3655	4261	4967	5791	163
	50	3458	4031	4700	5479	6388	171
25	25	930	1085	1265	1474	1719	70
	30	1420	1656	1930	2250	2623	93
	35	1898	2213	2579	3007	3506	112
	40	2338	2726	3178	3705	4319	128
	45	2732	3185	3713	4329	5047	142
	50	3080	3590	4186	4880	5689	152
	55	3385	3946	4601	5364	6253	161
30	30	1077	1255	1463	1706	1989	70
	35	1517	1768	2061	2403	2802	89
	40	1944	2266	2642	3080	3590	106
	45	2341	2729	3181	3709	4324	121
	50	2701	3149	3671	4280	4990	133
	55	3025	3526	4111	4793	5587	143
	60	3313	3862	4503	5250	6120	152
35	35	1195	1393	1624	1894	2208	70
	40	1593	1857	2165	2524	2943	87
	45	1978	2306	2689	3135	3655	102
	50	2339	2727	3180	3707	4322	115
	55	2671	3114	3631	4233	4935	126
	60	2973	3466	4040	4710	5492	136
	65	3245	3783	4411	5142	5995	145
40	40	1292	1507	1756	2048	2387	70
	45	1655	1929	2249	2622	3057	85
	50	2006	2338	2726	3178	3705	98
	55	2336	2724	3176	3702	4316	110
	60	2643	3082	3593	4189	4883	121
	65	2925	3410	3976	4635	5404	130
	70	3183	3710	4326	5043	5879	139

Table 6.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 70 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	1373	1601	1867	2176	2537	70
	50	1706	1989	2318	2703	3151	83
	55	2028	2364	2756	3213	3746	95
	60	2333	2720	3171	3696	4309	106
	65	2618	3052	3558	4149	4836	116
	70	2882	3360	3918	4567	5325	125
	75	3126	3644	4248	4953	5774	133
50	50	1442	1681	1960	2285	2664	70
	55	1748	2038	2377	2771	3230	82
	60	2046	2385	2781	3242	3779	93
	65	2329	2715	3165	3690	4302	103
	70	2595	3025	3527	4112	4794	112
	75	2844	3315	3865	4506	5253	121
	80	3074	3584	4179	4871	5679	128
55	55	1500	1749	2039	2378	2772	70
	60	1785	2081	2426	2828	3297	81
	65	2061	2403	2801	3266	3807	91
	70	2325	2710	3160	3684	4295	100
	75	2574	3001	3499	4079	4756	109
	80	2809	3275	3818	4451	5189	117
60	60	1551	1808	2108	2458	2865	70
	65	1816	2117	2469	2878	3355	80
	70	2074	2418	2819	3286	3831	89
	75	2321	2706	3155	3678	4288	98
	80	2556	2980	3474	4050	4721	106
65	65	1595	1860	2168	2528	2947	70
	70	1844	2149	2506	2921	3406	79
	75	2085	2431	2834	3304	3852	88
	80	2317	2701	3150	3672	4281	96
70	70	1634	1905	2221	2589	3019	70
	75	1867	2177	2538	2959	3450	79
	80	2095	2442	2847	3319	3870	87
75	75	1669	1945	2268	2644	3082	70
	80	1889	2202	2567	2993	3489	78
80	80	1699	1981	2310	2693	3139	70

Table 7.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 80 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	852	993	1157	1349	1573	80
	25	1425	1661	1937	2258	2633	108
	30	1975	2303	2685	3130	3649	130
	35	2466	2875	3352	3908	4556	147
	40	2892	3372	3931	4583	5343	160
	45	3258	3798	4428	5163	6019	169
	50	3571	4164	4854	5659	6598	177
25	25	1060	1236	1441	1680	1958	80
	30	1573	1833	2137	2492	2905	103
	35	2059	2401	2799	3263	3804	122
	40	2499	2914	3397	3960	4617	138
	45	2888	3366	3925	4576	5334	150
	50	3227	3762	4386	5114	5962	160
	55	3523	4107	4789	5583	6509	168
30	30	1227	1430	1667	1944	2266	80
	35	1686	1966	2292	2672	3116	100
	40	2122	2474	2884	3362	3920	116
	45	2519	2937	3424	3992	4654	130
	50	2876	3352	3908	4557	5312	142
	55	3192	3721	4338	5058	5896	152
	60	3472	4047	4718	5501	6413	160
35	35	1362	1587	1851	2157	2515	80
	40	1777	2071	2415	2815	3282	97
	45	2170	2530	2949	3439	4009	112
	50	2532	2952	3442	4013	4678	125
	55	2861	3335	3888	4533	5285	136
	60	3156	3680	4290	5001	5831	145
	65	3421	3988	4649	5420	6319	153
40	40	1472	1717	2001	2333	2720	80
	45	1850	2157	2515	2932	3418	95
	50	2208	2575	3002	3499	4080	108
	55	2541	2962	3454	4026	4694	120
	60	2845	3317	3867	4509	5256	130
	65	3122	3640	4243	4947	5768	139
	70	3373	3932	4584	5344	6230	147

Table 7.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 80 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	1565	1824	2127	2479	2891	80
	50	1911	2228	2597	3028	3530	93
	55	2240	2611	3044	3549	4137	105
	60	2547	2969	3461	4035	4705	116
	65	2830	3300	3847	4485	5229	126
	70	3090	3603	4200	4897	5709	134
	75	3328	3880	4523	5273	6147	142
50	50	1643	1915	2233	2603	3035	80
	55	1962	2287	2666	3108	3624	92
	60	2266	2641	3079	3590	4185	103
	65	2551	2974	3467	4042	4712	113
	70	2816	3283	3827	4462	5202	122
	75	3061	3568	4160	4850	5655	130
	80	3286	3831	4467	5207	6071	138
55	55	1709	1993	2324	2709	3158	80
	60	2005	2338	2725	3177	3704	91
	65	2287	2667	3109	3625	4226	101
	70	2554	2977	3471	4046	4717	111
	75	2803	3267	3809	4441	5177	119
	80	3034	3537	4124	4808	5605	127
60	60	1767	2060	2402	2800	3265	80
	65	2043	2381	2776	3237	3773	90
	70	2306	2689	3134	3654	4260	100
	75	2556	2979	3474	4050	4721	108
	80	2790	3253	3792	4421	5154	116
65	65	1818	2119	2470	2880	3358	80
	70	2075	2419	2821	3288	3834	89
	75	2322	2707	3156	3680	4290	98
	80	2557	2981	3475	4052	4724	106
70	70	1862	2171	2531	2950	3439	80
	75	2104	2453	2859	3334	3887	89
	80	2336	2724	3176	3702	4316	97
75	75	1901	2216	2584	3012	3512	80
	80	2129	2482	2894	3374	3933	88
80	80	1936	2257	2631	3068	3577	80

Table 8.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 90 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	955	1114	1298	1514	1765	90
	25	1550	1807	2107	2456	2863	118
	30	2105	2454	2861	3336	3889	139
	35	2593	3023	3524	4108	4790	155
	40	3011	3510	4092	4771	5562	166
	45	3367	3926	4577	5336	6221	175
	50	3672	4280	4990	5818	6783	182
25	25	1189	1387	1616	1885	2197	90
	30	1719	2004	2337	2724	3176	113
	35	2211	2577	3005	3503	4084	131
	40	2648	3087	3598	4195	4891	146
	45	3029	3531	4117	4799	5595	157
	50	3359	3917	4566	5323	6206	166
	55	3646	4251	4956	5778	6736	174
30	30	1376	1604	1871	2181	2542	90
	35	1851	2158	2515	2933	3419	110
	40	2290	2670	3113	3629	4231	126
	45	2685	3131	3650	4255	4961	139
	50	3035	3539	4125	4810	5607	150
	55	3343	3898	4544	5298	6176	159
	60	3614	4213	4912	5727	6676	166
35	35	1528	1781	2076	2421	2822	90
	40	1955	2279	2657	3098	3612	107
	45	2352	2742	3197	3727	4346	121
	50	2713	3162	3687	4298	5011	134
	55	3036	3539	4126	4810	5608	144
	60	3324	3875	4517	5266	6140	153
	65	3580	4173	4865	5672	6613	160
40	40	1652	1926	2245	2618	3052	90
	45	2040	2379	2773	3233	3769	105
	50	2402	2800	3265	3806	4437	118
	55	2733	3186	3715	4331	5049	129
	60	3033	3536	4122	4806	5603	139
	65	3303	3850	4489	5234	6101	147
	70	3545	4133	4819	5618	6550	155

Table 8.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 90 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	1755	2047	2386	2782	3243	90
	50	2111	2461	2869	3345	3899	103
	55	2443	2848	3320	3871	4513	115
	60	2749	3205	3736	4356	5078	126
	65	3028	3531	4116	4799	5594	135
	70	3282	3827	4461	5201	6064	143
	75	3512	4095	4774	5566	6489	150
50	50	1843	2149	2505	2920	3405	90
	55	2170	2530	2950	3439	4009	102
	60	2477	2888	3367	3925	4576	113
	65	2761	3219	3753	4376	5101	123
	70	3023	3524	4109	4790	5585	131
	75	3263	3804	4434	5170	6027	139
	80	3481	4059	4732	5517	6431	146
55	55	1918	2236	2607	3039	3543	90
	60	2221	2589	3018	3519	4103	101
	65	2506	2921	3406	3971	4629	111
	70	2771	3231	3767	4392	5120	120
	75	3017	3518	4101	4781	5574	128
	80	3244	3782	4409	5140	5993	136
60	60	1983	2311	2695	3142	3663	90
	65	2264	2640	3078	3588	4183	100
	70	2531	2950	3440	4010	4675	110
	75	2780	3241	3778	4405	5135	118
	80	3012	3511	4093	4772	5563	126
65	65	2039	2377	2772	3231	3767	90
	70	2303	2684	3130	3649	4254	99
	75	2552	2975	3469	4044	4715	108
	80	2787	3249	3788	4416	5148	116
70	70	2089	2435	2839	3310	3859	90
	75	2336	2724	3175	3702	4316	99
	80	2571	2997	3494	4074	4749	107
75	75	2133	2487	2899	3380	3940	90
	80	2366	2758	3216	3749	4371	98
80	80	2172	2532	2952	3442	4013	90

Table 9.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 100 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	1059	1234	1439	1678	1956	100
	25	1670	1947	2270	2646	3085	127
	30	2227	2596	3027	3529	4114	147
	35	2709	3158	3682	4292	5004	162
	40	3119	3636	4239	4942	5761	172
	45	3466	4041	4711	5492	6403	181
	50	3761	4385	5112	5959	6948	187
25	25	1318	1537	1792	2089	2435	100
	30	1861	2170	2529	2949	3438	123
	35	2354	2744	3199	3729	4348	140
	40	2785	3247	3785	4413	5145	154
	45	3158	3682	4293	5004	5834	164
	50	3480	4057	4729	5514	6428	172
	55	3757	4380	5106	5953	6940	179
30	30	1525	1778	2073	2417	2818	100
	35	2010	2343	2732	3185	3713	119
	40	2450	2856	3330	3882	4526	135
	45	2840	3311	3861	4501	5247	147
	50	3183	3710	4326	5043	5880	157
	55	3482	4059	4732	5517	6432	166
	60	3743	4364	5088	5931	6915	172
35	35	1693	1974	2301	2683	3128	100
	40	2129	2482	2893	3373	3933	117
	45	2526	2945	3434	4003	4667	131
	50	2882	3360	3917	4567	5325	142
	55	3198	3729	4347	5068	5908	152
	60	3478	4054	4727	5510	6424	160
	65	3725	4342	5062	5902	6881	167
40	40	1831	2135	2489	2901	3382	100
	45	2226	2595	3025	3527	4112	115
	50	2588	3017	3517	4100	4780	127
	55	2915	3398	3962	4619	5385	138
	60	3208	3740	4360	5083	5926	147
	65	3470	4046	4716	5499	6410	155
	70	3704	4318	5035	5869	6843	162

--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 100 square feet.

Final age (years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A2	VIT (cubic feet,i.b.,/acre)					BT2
45	1946	2268	2645	3083	3595	100
50	2306	2689	3135	3655	4261	113
55	2638	3076	3586	4181	4874	125
60	2941	3428	3997	4660	5433	135
65	3214	3747	4369	5093	5938	143
70	3461	4035	4704	5484	6394	151
75	3683	4294	5006	5836	6804	157
50	2043	2382	2777	3237	3774	100
55	2374	2768	3227	3762	4386	112
60	2681	3126	3644	4248	4953	123
65	2962	3453	4026	4694	5472	132
70	3218	3752	4374	5100	5945	140
75	3451	4023	4691	5468	6375	147
80	3662	4270	4978	5803	6766	154
55	2126	2478	2889	3369	3927	100
60	2432	2836	3306	3854	4493	111
65	2717	3168	3693	4306	5020	121
70	2980	3474	4050	4722	5505	129
75	3221	3755	4377	5103	5950	137
80	3441	4012	4677	5452	6357	144
60	2198	2562	2987	3482	4060	100
65	2482	2894	3374	3934	4586	110
70	2748	3204	3735	4355	5077	119
75	2995	3491	4070	4745	5532	127
80	3222	3756	4379	5105	5952	135
65	2260	2635	3072	3581	4175	100
70	2526	2945	3434	4003	4667	109
75	2775	3236	3772	4398	5127	118
80	3007	3506	4087	4765	5556	126
70	2315	2699	3147	3669	4277	100
75	2565	2990	3486	4064	4738	109
80	2799	3263	3805	4436	5171	117
75	2364	2756	3213	3746	4367	100
80	2599	3030	3532	4118	4801	108
80	2408	2807	3272	3815	4448	100

Table 10.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 110 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	1162	1355	1580	1842	2147	110
	25	1785	2081	2426	2829	3298	136
	30	2341	2729	3182	3710	4325	155
	35	2816	3283	3828	4463	5203	168
	40	3217	3751	4373	5098	5943	178
	45	3555	4145	4832	5633	6568	185
	50	3842	4479	5221	6087	7097	191
25	25	1447	1687	1966	2293	2673	110
	30	1998	2329	2716	3166	3691	132
	35	2489	2902	3383	3944	4598	148
	40	2914	3397	3960	4617	5382	161
	45	3278	3821	4455	5194	6055	171
	50	3589	4185	4879	5688	6631	178
	55	3858	4497	5243	6113	7126	184
30	30	1674	1952	2276	2653	3093	110
	35	2165	2524	2942	3430	3999	129
	40	2603	3034	3537	4124	4808	143
	45	2986	3481	4059	4732	5517	155
	50	3320	3870	4512	5260	6133	164
	55	3609	4208	4906	5719	6668	172
	60	3861	4502	5248	6119	7133	178
35	35	1858	2167	2526	2945	3433	110
	40	2298	2679	3123	3641	4245	126
	45	2693	3140	3660	4267	4975	139
	50	3043	3547	4135	4821	5621	150
	55	3350	3906	4553	5308	6189	159
	60	3620	4221	4921	5737	6688	167
	65	3858	4498	5244	6114	7127	173
40	40	2010	2343	2731	3184	3712	110
	45	2407	2806	3272	3814	4447	124
	50	2766	3225	3760	4384	5110	136
	55	3087	3599	4196	4892	5703	147
	60	3373	3932	4584	5344	6231	155
	65	3626	4227	4928	5746	6698	162
	70	3851	4490	5234	6102	7114	168

Table 10.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 110 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	2136	2490	2903	3384	3945	110
	50	2498	2912	3395	3958	4615	123
	55	2827	3296	3843	4480	5223	134
	60	3124	3642	4246	4950	5771	143
	65	3390	3952	4607	5372	6262	151
	70	3628	4230	4931	5749	6703	158
	75	3842	4479	5222	6087	7097	164
50	50	2242	2614	3047	3553	4142	110
	55	2575	3002	3499	4080	4756	122
	60	2878	3356	3912	4561	5318	132
	65	3154	3677	4287	4998	5827	141
	70	3403	3968	4626	5393	6287	148
	75	3628	4230	4931	5749	6702	155
	80	3831	4467	5207	6071	7078	161
55	55	2333	2720	3171	3697	4310	110
	60	2640	3078	3589	4184	4877	121
	65	2922	3407	3972	4630	5398	130
	70	3180	3707	4322	5038	5874	138
	75	3414	3980	4640	5409	6307	146
	80	3627	4228	4929	5747	6700	152
60	60	2412	2812	3278	3822	4456	110
	65	2697	3144	3666	4274	4982	120
	70	2960	3451	4023	4690	5468	129
	75	3201	3732	4351	5073	5914	136
	80	3422	3990	4652	5423	6322	143
65	65	2481	2892	3372	3931	4583	110
	70	2747	3202	3733	4352	5074	119
	75	2993	3489	4068	4742	5529	127
	80	3220	3754	4377	5103	5949	135
70	70	2541	2963	3454	4027	4694	110
	75	2790	3253	3792	4421	5154	118
	80	3022	3523	4107	4788	5582	126
75	75	2595	3025	3527	4111	4793	110
	80	2829	3298	3845	4483	5226	118
80	80	2642	3081	3592	4187	4882	110

Table 11.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 120 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	1265	1475	1720	2005	2337	120
	25	1896	2211	2577	3005	3503	145
	30	2449	2855	3329	3881	4524	162
	35	2916	3400	3964	4621	5388	174
	40	3308	3857	4496	5242	6111	183
	45	3637	4240	4943	5763	6719	190
	50	3915	4564	5321	6204	7232	195
25	25	1575	1836	2141	2496	2910	120
	30	2131	2484	2896	3377	3937	141
	35	2618	3052	3558	4148	4836	156
	40	3034	3537	4124	4808	5605	168
	45	3389	3951	4606	5369	6260	176
	50	3691	4303	5016	5848	6818	183
	55	3950	4605	5368	6259	7297	189
30	30	1823	2125	2478	2888	3367	120
	35	2315	2699	3147	3669	4277	138
	40	2749	3204	3736	4355	5078	152
	45	3124	3642	4246	4950	5771	162
	50	3448	4020	4686	5463	6369	171
	55	3728	4346	5067	5907	6886	178
	60	3970	4629	5396	6291	7335	183
35	35	2023	2359	2750	3206	3738	120
	40	2463	2872	3348	3903	4551	135
	45	2853	3326	3878	4521	5271	148
	50	3195	3725	4342	5062	5902	158
	55	3493	4072	4748	5535	6453	166
	60	3754	4376	5102	5948	6934	173
	65	3982	4642	5412	6310	7356	179
40	40	2188	2551	2974	3467	4042	120
	45	2585	3013	3513	4096	4775	134
	50	2939	3426	3994	4657	5429	145
	55	3252	3791	4420	5153	6007	155
	60	3528	4113	4795	5591	6518	162
	65	3772	4398	5127	5977	6968	169
	70	3988	4649	5420	6319	7367	174

Table 11.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 120 square feet.

Initial age (Years)	Final age (Years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	2325	2711	3160	3684	4295	120
	50	2686	3131	3651	4256	4962	132
	55	3010	3509	4091	4769	5560	143
	60	3299	3846	4484	5227	6094	152
	65	3556	4146	4834	5635	6570	159
	70	3786	4413	5145	5998	6993	165
	75	3990	4652	5423	6322	7371	171
50	50	2441	2846	3318	3868	4510	120
	55	2771	3231	3767	4392	5120	131
	60	3070	3579	4173	4865	5671	141
	65	3338	3892	4537	5290	6167	149
	70	3579	4173	4865	5672	6612	156
	75	3795	4425	5159	6014	7012	162
	80	3990	4651	5423	6322	7370	168
55	55	2540	2962	3453	4025	4693	120
	60	2845	3317	3867	4508	5255	130
	65	3121	3639	4243	4946	5766	139
	70	3372	3931	4583	5343	6229	147
	75	3598	4195	4891	5702	6647	154
	80	3803	4433	5169	6026	7025	160
60	60	2626	3061	3569	4161	4851	120
	65	2908	3390	3953	4608	5372	129
	70	3166	3691	4303	5017	5849	138
	75	3401	3965	4622	5389	6282	145
	80	3614	4214	4912	5727	6677	152
65	65	2701	3149	3671	4280	4989	120
	70	2964	3455	4028	4696	5475	129
	75	3205	3736	4356	5078	5921	137
	80	3426	3994	4656	5428	6329	143
70	70	2767	3225	3760	4384	5111	120
	75	3013	3512	4095	4774	5565	128
	80	3239	3776	4403	5133	5984	135
75	75	2825	3293	3839	4476	5219	120
	80	3056	3563	4154	4842	5645	128
80	80	2877	3354	3910	4559	5315	120

Table 12.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 130 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	1368	1595	1860	2168	2528	130
	25	2004	2336	2724	3175	3702	154
	30	2551	2975	3468	4043	4713	169
	35	3010	3509	4091	4770	5561	180
	40	3392	3955	4611	5375	6267	188
	45	3712	4328	5046	5882	6858	194
	50	3982	4643	5413	6310	7357	198
25	25	1703	1986	2315	2699	3147	130
	30	2260	2635	3072	3582	4176	150
	35	2740	3195	3725	4342	5063	164
	40	3148	3670	4278	4988	5815	174
	45	3492	4071	4747	5534	6451	182
	50	3785	4412	5144	5997	6992	188
	55	4035	4704	5484	6394	7454	193
30	30	1971	2298	2679	3123	3641	130
	35	2462	2871	3347	3902	4549	147
	40	2889	3368	3926	4577	5336	159
	45	3254	3794	4423	5157	6012	169
	50	3568	4160	4850	5654	6592	177
	55	3838	4475	5217	6082	7090	183
	60	4071	4747	5534	6452	7522	188
35	35	2188	2551	2974	3467	4042	130
	40	2625	3061	3568	4160	4850	145
	45	3008	3506	4088	4766	5556	156
	50	3340	3894	4539	5292	6170	165
	55	3628	4229	4931	5749	6702	173
	60	3878	4522	5272	6146	7165	179
	65	4097	4777	5569	6493	7569	184
40	40	2366	2758	3215	3749	4370	130
	45	2759	3216	3750	4372	5097	143
	50	3105	3620	4221	4921	5737	154
	55	3409	3975	4634	5402	6298	162
	60	3676	4285	4996	5824	6790	169
	65	3910	4558	5314	6195	7223	175
	70	4116	4798	5594	6522	7604	180

Table 12.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 130 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	2514	2931	3417	3984	4645	130
	50	2871	3347	3902	4549	5303	142
	55	3187	3716	4332	5050	5888	151
	60	3467	4042	4712	5494	6405	159
	65	3715	4331	5049	5886	6863	166
	70	3934	4587	5347	6234	7268	172
	75	4129	4814	5612	6543	7628	177
50	50	2640	3077	3588	4183	4876	130
	55	2965	3457	4030	4698	5478	141
	60	3256	3796	4426	5160	6015	150
	65	3516	4099	4779	5571	6495	157
	70	3747	4369	5093	5938	6923	164
	75	3954	4610	5374	6266	7305	169
	80	4139	4825	5626	6559	7646	174
55	55	2747	3202	3733	4353	5074	130
	60	3046	3551	4140	4827	5627	140
	65	3316	3865	4506	5254	6125	148
	70	3558	4147	4835	5637	6572	155
	75	3775	4401	5131	5982	6973	161
	80	3970	4629	5396	6291	7334	167
60	60	2840	3310	3859	4499	5246	130
	65	3116	3633	4236	4938	5757	139
	70	3367	3925	4576	5335	6220	147
	75	3594	4190	4884	5694	6639	154
	80	3798	4428	5163	6019	7017	159
65	65	2920	3405	3969	4628	5395	130
	70	3178	3705	4319	5036	5871	138
	75	3412	3978	4638	5407	6304	146
	80	3625	4226	4927	5744	6697	152
70	70	2992	3488	4066	4740	5526	130
	75	3232	3768	4393	5121	5971	138
	80	3452	4024	4692	5470	6377	145
75	75	3055	3561	4152	4840	5643	130
	80	3280	3824	4458	5198	6060	137
80	80	3111	3627	4228	4929	5747	130

Table 13.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	1471	1715	1999	2331	2717	140
	25	2108	2458	2865	3340	3894	162
	30	2649	3088	3600	4197	4893	176
	35	3098	3612	4211	4909	5723	186
	40	3471	4046	4717	5500	6412	192
	45	3782	4409	5141	5993	6987	197
	50	4045	4715	5497	6409	7472	201
25	25	1831	2135	2489	2902	3383	140
	30	2386	2782	3243	3781	4408	158
	35	2858	3332	3885	4529	5280	171
	40	3255	3795	4424	5158	6014	180
	45	3589	4185	4879	5688	6631	187
	50	3872	4515	5263	6136	7154	192
	55	4114	4796	5592	6519	7600	197
30	30	2119	2470	2880	3358	3915	140
	35	2606	3038	3542	4129	4814	155
	40	3023	3525	4109	4791	5585	167
	45	3379	3939	4592	5354	6242	176
	50	3682	4292	5004	5834	6802	183
	55	3942	4595	5357	6246	7282	188
	60	4166	4857	5662	6601	7696	192
35	35	2352	2742	3197	3727	4345	140
	40	2784	3245	3783	4411	5142	154
	45	3157	3680	4291	5002	5832	164
	50	3478	4055	4728	5512	6426	172
	55	3756	4379	5105	5951	6938	179
	60	3996	4659	5431	6332	7382	184
	65	4205	4903	5716	6664	7769	189
40	40	2543	2965	3457	4030	4699	140
	45	2930	3416	3982	4643	5412	152
	50	3267	3809	4440	5177	6035	162
	55	3560	4151	4839	5641	6577	170
	60	3816	4449	5187	6047	7049	176
	65	4040	4710	5491	6401	7463	181
	70	4236	4939	5758	6713	7826	186

Table 13.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	2703	3151	3674	4283	4993	140
	50	3052	3558	4148	4836	5638	151
	55	3359	3916	4566	5323	6205	160
	60	3629	4231	4932	5750	6704	167
	65	3866	4507	5255	6126	7142	173
	70	4075	4751	5539	6458	7529	178
	75	4261	4967	5791	6751	7871	183
50	50	2838	3308	3857	4497	5242	140
	55	3156	3679	4289	5000	5830	150
	60	3437	4008	4672	5447	6350	158
	65	3687	4298	5011	5842	6811	165
	70	3908	4556	5312	6193	7220	171
	75	4105	4786	5579	6505	7583	176
	80	4280	4990	5818	6783	7908	180
55	55	2953	3443	4014	4679	5455	140
	60	3245	3783	4410	5141	5994	149
	65	3505	4086	4764	5554	6475	157
	70	3737	4357	5079	5922	6904	163
	75	3944	4598	5361	6250	7287	169
	80	4130	4815	5613	6544	7629	174
60	60	3053	3559	4149	4837	5639	140
	65	3322	3873	4515	5264	6137	148
	70	3564	4154	4843	5647	6583	155
	75	3780	4407	5138	5990	6984	162
	80	3976	4635	5403	6300	7344	167
65	65	3140	3660	4267	4975	5800	140
	70	3389	3951	4607	5371	6261	148
	75	3615	4214	4913	5728	6678	154
	80	3819	4452	5190	6051	7054	160
70	70	3216	3749	4371	5096	5941	140
	75	3449	4021	4688	5465	6372	147
	80	3660	4267	4975	5800	6762	154
75	75	3284	3829	4463	5204	6067	140
	80	3502	4083	4760	5549	6469	147
80	80	3344	3899	4546	5299	6178	140

Table 14.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
20	20	1573	1834	2139	2493	2907	150
	25	2209	2576	3003	3501	4081	170
	30	2742	3196	3727	4345	5065	182
	35	3181	3709	4324	5041	5877	191
	40	3544	4132	4817	5616	6548	197
	45	3847	4485	5229	6096	7107	201
	50	4102	4783	5576	6500	7578	204
25	25	1959	2284	2662	3104	3619	150
	30	2509	2925	3410	3975	4635	166
	35	2971	3464	4038	4708	5489	178
	40	3357	3914	4563	5320	6202	186
	45	3681	4292	5003	5833	6800	192
	50	3955	4610	5375	6266	7306	197
	55	4188	4882	5692	6636	7736	200
30	30	2267	2643	3081	3592	4188	150
	35	2747	3202	3733	4352	5074	164
	40	3153	3676	4286	4997	5825	174
	45	3497	4077	4753	5542	6461	182
	50	3789	4418	5150	6005	7000	188
	55	4039	4709	5490	6400	7462	193
	60	4254	4960	5782	6741	7859	197
35	35	2516	2933	3420	3987	4648	150
	40	2939	3426	3995	4657	5430	162
	45	3301	3849	4487	5231	6099	172
	50	3611	4210	4908	5722	6671	179
	55	3877	4520	5270	6144	7163	185
	60	4107	4788	5582	6508	7587	190
	65	4307	5021	5854	6825	7957	194
40	40	2721	3172	3698	4311	5026	150
	45	3098	3612	4210	4909	5723	161
	50	3424	3991	4653	5425	6325	170
	55	3705	4320	5036	5871	6845	177
	60	3950	4605	5369	6259	7297	182
	65	4163	4853	5658	6597	7691	187
	70	4350	5071	5912	6893	8036	191

Table 14.--Current and projected total cubic foot volumes, i.b., (VIT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIT (cubic feet,i.b.,/acre)					BT2
45	45	2891	3371	3930	4582	5341	150
	50	3231	3766	4391	5119	5968	160
	55	3527	4111	4793	5588	6515	168
	60	3785	4412	5144	5997	6992	174
	65	4011	4676	5451	6355	7409	180
	70	4210	4908	5722	6670	7777	184
	75	4385	5112	5960	6949	8101	188
50	50	3036	3539	4126	4810	5608	150
	55	3344	3898	4544	5298	6177	159
	60	3614	4214	4912	5727	6677	166
	65	3852	4491	5236	6105	7117	173
	70	4063	4737	5522	6438	7505	178
	75	4249	4954	5775	6733	7849	182
	80	4415	5147	6000	6995	8156	186
55	55	3159	3683	4294	5006	5836	150
	60	3440	4011	4676	5452	6356	158
	65	3690	4302	5015	5847	6816	165
	70	3911	4560	5316	6197	7225	171
	75	4107	4789	5583	6509	7588	176
	80	4283	4993	5821	6786	7912	180
60	60	3266	3807	4438	5174	6033	150
	65	3525	4109	4791	5585	6511	158
	70	3756	4379	5105	5951	6938	164
	75	3962	4619	5385	6278	7319	170
	80	4146	4834	5636	6570	7660	174
65	65	3359	3915	4565	5322	6204	150
	70	3598	4195	4891	5702	6648	157
	75	3814	4446	5183	6043	7045	163
	80	4007	4671	5446	6349	7402	168
70	70	3440	4011	4676	5451	6356	150
	75	3663	4271	4979	5805	6768	157
	80	3865	4506	5253	6124	7140	162
75	75	3513	4095	4775	5566	6490	150
	80	3721	4339	5058	5897	6875	156
80	80	3578	4171	4863	5669	6609	150

Table 15.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 20 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	323	370	423	483	552	20
	25	711	813	929	1062	1214	37
	30	1201	1373	1570	1795	2051	56
	35	1734	1982	2266	2590	2961	74
	40	2264	2588	2959	3382	3866	91
	45	2767	3163	3615	4132	4724	106
	50	3229	3691	4219	4823	5513	119
25	25	385	440	503	575	657	20
	30	721	824	942	1077	1231	33
	35	1130	1291	1476	1687	1929	48
	40	1575	1801	2058	2353	2690	63
	45	2029	2319	2651	3030	3464	78
	50	2471	2824	3229	3691	4219	91
	55	2890	3303	3776	4316	4934	103
30	30	433	495	565	646	739	20
	35	728	832	951	1088	1243	31
	40	1078	1232	1408	1610	1840	43
	45	1459	1668	1906	2179	2491	56
	50	1852	2117	2420	2766	3162	68
	55	2242	2562	2929	3348	3827	80
	60	2619	2994	3422	3912	4472	91
35	35	470	537	614	702	803	20
	40	734	838	958	1096	1252	29
	45	1039	1187	1357	1552	1774	40
	50	1371	1567	1791	2047	2340	50
	55	1715	1961	2241	2562	2928	61
	60	2061	2357	2694	3079	3520	72
	65	2402	2745	3138	3587	4101	81
40	40	500	572	654	747	854	20
	45	738	843	964	1102	1260	28
	50	1008	1153	1318	1506	1722	37
	55	1302	1488	1701	1944	2223	46
	60	1607	1837	2100	2401	2745	56
	65	1917	2192	2506	2864	3274	65
	70	2225	2544	2908	3324	3800	74

Table 15.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 20 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	525	600	686	785	897	20
	50	741	847	969	1107	1266	27
	55	984	1125	1286	1470	1681	35
	60	1247	1425	1629	1862	2129	43
	65	1521	1738	1987	2272	2597	52
	70	1800	2058	2353	2689	3074	60
	75	2080	2378	2718	3107	3552	68
50	50	546	624	714	816	932	20
	55	744	851	972	1111	1270	26
	60	965	1103	1260	1441	1647	33
	65	1202	1374	1570	1795	2052	41
	70	1450	1657	1894	2166	2475	48
	75	1704	1948	2226	2545	2909	56
	80	1960	2240	2561	2927	3346	63
55	55	564	644	737	842	962	20
	60	746	853	975	1115	1275	26
	65	948	1084	1239	1416	1619	32
	70	1164	1331	1522	1739	1988	39
	75	1391	1590	1817	2077	2374	45
	80	1623	1855	2121	2424	2771	52
60	60	579	662	756	865	988	20
	65	749	856	978	1118	1278	25
	70	934	1068	1221	1396	1596	31
	75	1133	1295	1480	1692	1935	37
	80	1341	1533	1752	2003	2289	43
65	65	592	677	773	884	1011	20
	70	750	858	980	1121	1281	25
	75	923	1055	1206	1378	1575	30
	80	1106	1264	1445	1652	1889	36
70	70	603	690	788	901	1030	20
	75	752	859	982	1123	1284	25
	80	912	1043	1192	1363	1558	29
75	75	614	701	802	916	1048	20
	80	753	861	984	1125	1286	24
80	80	623	712	813	930	1063	20

Table 16.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 30 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	484	554	633	724	827	30
	25	983	1124	1285	1469	1679	51
	30	1562	1786	2042	2334	2668	73
	35	2151	2459	2811	3214	3674	92
	40	2710	3098	3541	4048	4627	109
	45	3220	3680	4207	4809	5497	123
	50	3675	4201	4803	5490	6276	135
25	25	577	659	754	862	985	30
	30	1011	1156	1322	1511	1727	47
	35	1503	1718	1963	2244	2565	64
	40	2007	2295	2623	2998	3427	81
	45	2497	2855	3263	3730	4264	96
	50	2957	3380	3864	4417	5049	109
	55	3380	3864	4417	5049	5771	121
30	30	648	741	847	968	1107	30
	35	1032	1179	1348	1541	1761	44
	40	1457	1666	1904	2177	2488	58
	45	1897	2168	2479	2834	3239	73
	50	2331	2664	3045	3481	3979	86
	55	2745	3138	3587	4101	4688	98
	60	3135	3583	4096	4682	5352	109
35	35	704	805	920	1052	1203	30
	40	1047	1197	1368	1564	1788	42
	45	1422	1626	1858	2124	2428	54
	50	1811	2070	2366	2705	3092	67
	55	2198	2512	2872	3283	3753	78
	60	2573	2942	3362	3844	4394	89
	65	2931	3350	3830	4378	5005	100
40	40	750	857	980	1120	1280	30
	45	1059	1211	1384	1582	1808	40
	50	1394	1594	1822	2083	2381	51
	55	1742	1991	2276	2602	2974	62
	60	2090	2389	2731	3122	3569	73
	65	2432	2780	3178	3633	4152	83
	70	2761	3156	3608	4124	4715	92

Table 16.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 30 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	787	900	1028	1175	1344	30
	50	1069	1222	1397	1597	1825	39
	55	1372	1568	1793	2049	2342	49
	60	1686	1927	2203	2518	2878	58
	65	2002	2289	2616	2990	3418	68
	70	2314	2646	3024	3457	3952	77
	75	2618	2993	3421	3911	4471	86
50	50	818	935	1069	1222	1397	30
	55	1077	1231	1407	1608	1839	38
	60	1353	1547	1768	2021	2310	47
	65	1639	1874	2142	2448	2799	56
	70	1928	2204	2520	2880	3293	64
	75	2216	2533	2895	3309	3783	73
	80	2497	2854	3263	3730	4264	81
55	55	845	965	1104	1261	1442	30
	60	1084	1239	1416	1619	1850	38
	65	1337	1529	1748	1998	2284	45
	70	1600	1829	2091	2390	2732	53
	75	1866	2133	2438	2787	3186	61
	80	2132	2437	2785	3184	3640	69
60	60	867	991	1133	1295	1481	30
	65	1089	1245	1423	1627	1860	37
	70	1324	1514	1730	1978	2261	44
	75	1567	1791	2047	2340	2675	51
	80	1813	2072	2369	2708	3095	58
65	65	887	1014	1159	1325	1514	30
	70	1094	1251	1430	1634	1868	36
	75	1313	1500	1715	1961	2241	43
	80	1538	1758	2010	2297	2626	50
70	70	904	1033	1181	1350	1544	30
	75	1098	1256	1435	1641	1876	36
	80	1303	1489	1702	1946	2224	42
75	75	919	1051	1201	1373	1569	30
	80	1102	1260	1440	1646	1882	35
80	80	933	1066	1219	1393	1592	30

Table 17.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 40 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	645	738	843	964	1102	40
	25	1231	1407	1609	1839	2102	64
	30	1869	2136	2442	2791	3191	87
	35	2488	2844	3250	3716	4247	106
	40	3055	3492	3991	4562	5215	123
	45	3559	4068	4650	5316	6077	136
	50	4002	4574	5229	5977	6833	147
25	25	769	879	1004	1148	1312	40
	30	1280	1463	1673	1912	2186	59
	35	1827	2089	2388	2729	3120	78
	40	2366	2704	3091	3533	4039	95
	45	2871	3282	3752	4289	4902	110
	50	3333	3810	4356	4979	5691	123
	55	3749	4286	4899	5600	6402	134
30	30	863	987	1128	1290	1474	40
	35	1316	1504	1719	1965	2247	56
	40	1794	2051	2344	2680	3063	72
	45	2269	2594	2965	3389	3874	87
	50	2722	3112	3557	4066	4648	100
	55	3145	3595	4109	4697	5370	112
	60	3533	4039	4617	5277	6033	123
35	35	938	1073	1226	1402	1602	40
	40	1343	1535	1755	2006	2293	54
	45	1767	2020	2310	2640	3018	68
	50	2191	2505	2863	3273	3741	81
	55	2601	2973	3398	3884	4440	93
	60	2988	3415	3904	4463	5102	104
	65	3349	3828	4376	5003	5719	114
40	40	999	1142	1305	1492	1705	40
	45	1365	1560	1783	2038	2330	52
	50	1746	1996	2281	2608	2981	64
	55	2128	2432	2780	3178	3633	76
	60	2500	2858	3267	3734	4269	87
	65	2856	3265	3732	4266	4877	97
	70	3193	3649	4172	4769	5451	106

Table 17.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 40 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	1048	1198	1370	1566	1790	40
	50	1382	1580	1806	2064	2359	51
	55	1728	1975	2258	2581	2950	62
	60	2075	2372	2712	3100	3543	72
	65	2416	2762	3157	3609	4125	82
	70	2745	3138	3587	4100	4687	91
	75	3058	3496	3996	4568	5222	100
50	50	1090	1246	1424	1628	1861	40
	55	1396	1596	1824	2085	2384	50
	60	1713	1958	2238	2558	2924	59
	65	2031	2322	2654	3034	3468	69
	70	2345	2681	3064	3503	4004	78
	75	2650	3029	3463	3958	4525	87
	80	2943	3364	3845	4396	5025	95
55	55	1125	1286	1470	1680	1921	40
	60	1408	1610	1840	2103	2404	49
	65	1700	1943	2221	2539	2902	58
	70	1994	2279	2605	2978	3404	66
	75	2284	2611	2985	3412	3900	75
	80	2568	2936	3356	3836	4385	83
60	60	1155	1321	1510	1726	1972	40
	65	1418	1621	1853	2119	2422	48
	70	1689	1930	2207	2523	2884	56
	75	1961	2242	2563	2930	3349	64
	80	2232	2551	2916	3334	3811	72
65	65	1181	1350	1544	1765	2017	40
	70	1427	1631	1865	2132	2437	47
	75	1679	1920	2194	2508	2867	55
	80	1933	2210	2526	2888	3301	62
70	70	1204	1377	1574	1799	2056	40
	75	1435	1640	1875	2143	2450	47
	80	1671	1910	2183	2496	2853	54
75	75	1224	1400	1600	1829	2091	40
	80	1442	1648	1884	2153	2461	46
80	80	1242	1420	1623	1856	2121	40

Table 18.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	806	922	1053	1204	1376	50
	25	1461	1670	1909	2182	2494	76
	30	2138	2444	2793	3193	3650	99
	35	2771	3168	3621	4139	4732	119
	40	3337	3814	4360	4984	5698	134
	45	3831	4379	5006	5722	6541	147
	50	4259	4868	5565	6361	7271	157
25	25	960	1097	1254	1434	1639	50
	30	1533	1752	2003	2289	2617	71
	35	2118	2421	2768	3164	3616	91
	40	2675	3058	3495	3996	4567	107
	45	3185	3640	4161	4757	5438	122
	50	3641	4163	4758	5439	6218	134
	55	4047	4626	5288	6044	6909	144
30	30	1079	1233	1409	1611	1842	50
	35	1585	1812	2072	2368	2707	68
	40	2100	2401	2744	3137	3586	84
	45	2595	2967	3392	3877	4432	99
	50	3057	3494	3994	4566	5219	113
	55	3479	3976	4545	5196	5939	124
	60	3860	4412	5043	5765	6590	134
35	35	1172	1340	1532	1751	2001	50
	40	1626	1858	2124	2428	2776	65
	45	2085	2383	2724	3114	3560	80
	50	2530	2892	3306	3779	4320	93
	55	2950	3372	3855	4406	5037	105
	60	3340	3818	4364	4988	5702	116
	65	3697	4227	4831	5523	6313	126
40	40	1248	1426	1630	1864	2130	50
	45	1658	1895	2166	2476	2830	63
	50	2072	2368	2707	3094	3537	76
	55	2475	2829	3234	3697	4226	88
	60	2860	3269	3737	4272	4883	99
	65	3221	3682	4209	4811	5500	109
	70	3557	4066	4647	5313	6073	119

Table 18.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	1310	1497	1711	1956	2236	50
	50	1684	1924	2200	2515	2875	62
	55	2060	2355	2692	3077	3518	73
	60	2429	2777	3174	3629	4148	84
	65	2784	3182	3637	4158	4753	94
	70	3119	3566	4076	4659	5326	104
	75	3434	3926	4488	5130	5864	113
50	50	1361	1556	1779	2034	2325	50
	55	1705	1949	2228	2547	2911	61
	60	2050	2344	2679	3063	3501	71
	65	2390	2732	3123	3570	4081	81
	70	2718	3107	3552	4060	4641	91
	75	3031	3465	3961	4528	5176	99
	80	3328	3804	4348	4971	5682	107
55	55	1405	1606	1836	2099	2400	50
	60	1723	1969	2251	2573	2942	60
	65	2042	2334	2668	3050	3487	69
	70	2357	2694	3079	3520	4024	78
	75	2662	3043	3478	3976	4545	87
	80	2955	3378	3861	4414	5045	95
60	60	1443	1650	1886	2155	2464	50
	65	1738	1987	2271	2596	2968	59
	70	2035	2326	2659	3039	3474	68
	75	2327	2660	3041	3476	3974	76
	80	2613	2987	3414	3902	4461	84
65	65	1476	1687	1928	2204	2520	50
	70	1751	2002	2289	2616	2990	58
	75	2028	2318	2650	3029	3463	66
	80	2302	2631	3008	3438	3930	74
70	70	1504	1720	1966	2247	2569	50
	75	1763	2015	2304	2633	3010	58
	80	2022	2312	2643	3021	3453	65
75	75	1530	1748	1999	2285	2612	50
	80	1773	2027	2317	2648	3027	57
80	80	1552	1774	2028	2318	2650	50

Table 19.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 60 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	967	1105	1263	1444	1651	60
	25	1676	1916	2190	2504	2862	87
	30	2379	2720	3109	3554	4062	111
	35	3018	3450	3944	4508	5153	129
	40	3577	4089	4674	5343	6107	144
	45	4058	4639	5302	6061	6929	155
	50	4470	5110	5841	6677	7633	165
25	25	1151	1316	1505	1720	1966	60
	30	1772	2026	2316	2647	3026	82
	35	2383	2724	3114	3560	4069	102
	40	2949	3371	3853	4405	5035	118
	45	3456	3950	4516	5162	5901	132
	50	3903	4462	5100	5830	6665	144
	55	4295	4910	5613	6416	7334	153
30	30	1294	1479	1690	1932	2209	60
	35	1843	2107	2408	2753	3147	79
	40	2383	2724	3114	3559	4068	96
	45	2889	3302	3775	4315	4932	111
	50	3351	3830	4378	5005	5721	123
	55	3766	4305	4921	5626	6431	134
	60	4137	4729	5406	6180	7064	144
35	35	1406	1607	1837	2100	2400	60
	40	1898	2169	2479	2834	3240	76
	45	2380	2721	3110	3556	4064	91
	50	2837	3243	3708	4238	4845	104
	55	3260	3727	4260	4870	5567	116
	60	3647	4169	4765	5447	6227	127
	65	3997	4569	5223	5970	6825	136
40	40	1496	1710	1955	2235	2555	60
	45	1941	2218	2536	2899	3314	74
	50	2377	2718	3106	3551	4059	87
	55	2794	3193	3650	4173	4770	100
	60	3183	3639	4159	4755	5435	111
	65	3543	4050	4630	5292	6050	120
	70	3873	4428	5061	5786	6614	129

Table 19.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 60 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	1571	1795	2052	2346	2682	60
	50	1976	2259	2582	2951	3374	73
	55	2374	2714	3102	3546	4054	85
	60	2756	3151	3601	4117	4706	96
	65	3117	3563	4072	4655	5321	106
	70	3453	3947	4512	5158	5896	115
	75	3765	4303	4919	5623	6428	123
50	50	1633	1867	2134	2439	2788	60
	55	2005	2292	2620	2995	3423	71
	60	2371	2710	3098	3542	4048	82
	65	2724	3113	3559	4068	4651	92
	70	3059	3497	3997	4569	5223	102
	75	3374	3857	4409	5040	5761	111
	80	3668	4193	4794	5479	6264	118
55	55	1686	1927	2202	2518	2878	60
	60	2030	2320	2652	3031	3465	70
	65	2368	2707	3094	3537	4043	80
	70	2696	3081	3522	4026	4603	90
	75	3008	3439	3931	4494	5137	99
	80	3305	3778	4318	4936	5642	107
60	60	1731	1978	2262	2585	2955	60
	65	2050	2344	2679	3063	3501	70
	70	2365	2704	3091	3533	4039	79
	75	2671	3053	3490	3989	4560	87
	80	2964	3388	3873	4428	5061	96
65	65	1770	2023	2313	2644	3022	60
	70	2069	2365	2703	3090	3532	69
	75	2363	2701	3088	3529	4034	77
	80	2649	3028	3462	3957	4523	85
70	70	1804	2062	2358	2695	3081	60
	75	2084	2383	2724	3113	3559	68
	80	2361	2698	3084	3526	4030	76
75	75	1834	2097	2397	2740	3132	60
	80	2098	2398	2742	3134	3583	68
80	80	1861	2128	2432	2780	3178	60

Table 20.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 70 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	1127	1289	1473	1684	1925	70
	25	1880	2149	2457	2809	3211	98
	30	2379	2971	3396	3883	4438	121
	35	2837	3700	4230	4835	5527	139
	40	3766	4327	4947	5655	6464	152
	45	4253	4861	5557	6352	7261	163
	50	4650	5315	6076	6945	7939	171
25	25	1343	1535	1754	2006	2293	70
	30	2001	2287	2615	2989	3417	93
	35	2628	3005	3434	3926	4488	112
	40	3196	3653	4176	4773	5456	128
	45	3696	4224	4829	5520	6310	142
	50	4131	4722	5398	6171	7054	152
	55	4510	5155	5893	6736	7700	161
30	30	1508	1724	1971	2253	2576	70
	35	2091	2390	2732	3123	3570	89
	40	2646	3025	3458	3953	4519	106
	45	3156	3608	4124	4714	5389	121
	50	3614	4131	4722	5398	6170	133
	55	4020	4595	5253	6004	6864	143
	60	4379	5006	5722	6541	7477	152
35	35	1639	1874	2142	2449	2799	70
	40	2160	2469	2823	3227	3688	87
	45	2658	3039	3474	3971	4539	102
	50	3120	3567	4077	4661	5328	115
	55	3541	4048	4627	5289	6046	126
	60	3920	4481	5123	5856	6694	136
	65	4260	4870	5567	6364	7275	145
40	40	1745	1995	2280	2606	2979	70
	45	2219	2532	2895	3309	3783	85
	50	2667	3048	3484	3983	4553	98
	55	3089	3531	4036	4614	5274	110
	60	3478	3975	4544	5195	5938	121
	65	3832	4381	5008	5725	6544	130
	70	4154	4749	5429	6205	7094	139

Table 20.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 70 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	1832	2094	2393	2736	3127	70
	50	2260	2584	2954	3376	3859	83
	55	2673	3055	3492	3992	4563	95
	60	3061	3499	4000	4572	5227	106
	65	3422	3912	4472	5112	5843	116
	70	3755	4292	4906	5609	6411	125
	75	4060	4641	5305	6064	6932	133
50	50	1904	2177	2488	2844	3251	70
	55	2298	2627	3002	3432	3923	82
	60	2677	3060	3498	3999	4571	93
	65	3037	3471	3968	4536	5185	103
	70	3373	3856	4408	5039	5760	112
	75	3686	4214	4817	5506	6294	121
	80	3975	4544	5195	5938	6788	128
55	55	1966	2247	2568	2936	3356	70
	60	2329	2663	3044	3479	3977	81
	65	2681	3064	3503	4004	4577	91
	70	3015	3447	3940	4504	5148	100
	75	3330	3807	4352	4974	5686	109
	80	3625	4144	4737	5415	6190	117
60	60	2018	2307	2637	3015	3446	70
	65	2356	2693	3079	3519	4023	80
	70	2683	3067	3506	4008	4582	89
	75	2996	3425	3915	4475	5115	98
	80	3292	3763	4302	4917	5621	106
65	65	2064	2359	2697	3083	3524	70
	70	2379	2720	3109	3554	4063	79
	75	2685	3070	3509	4011	4585	88
	80	2979	3405	3893	4450	5086	96
70	70	2104	2405	2749	3143	3592	70
	75	2400	2743	3136	3585	4098	79
	80	2687	3072	3511	4014	4588	87
75	75	2139	2445	2795	3195	3653	70
	80	2418	2764	3159	3611	4128	78
80	80	2171	2481	2836	3242	3706	70

Table 21.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 80 square feet.

Initial age (Years)	Final age (Years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	1288	1472	1683	1924	2199	80
	25	2075	2372	2711	3099	3542	108
	30	2802	3203	3662	4186	4785	130
	35	3434	3926	4488	5130	5864	147
	40	3971	4539	5189	5931	6780	160
	45	4423	5056	5780	6607	7553	169
	50	4806	5493	6279	7178	8205	177
25	25	1534	1753	2004	2291	2619	80
	30	2221	2538	2902	3317	3792	103
	35	2857	3266	3733	4267	4878	122
	40	3421	3910	4470	5109	5841	138
	45	3911	4470	5110	5841	6677	150
	50	4333	4953	5662	6472	7399	160
	55	4697	5370	6138	7016	8021	168
30	30	1723	1970	2252	2574	2942	80
	35	2330	2663	3045	3480	3978	100
	40	2894	3309	3782	4323	4942	116
	45	3402	3889	4446	5082	5809	130
	50	3852	4403	5033	5754	6577	142
	55	4247	4855	5549	6343	7251	152
	60	4593	5250	6002	6860	7842	160
35	35	1873	2141	2447	2797	3198	80
	40	2415	2760	3155	3607	4123	97
	45	2922	3340	3818	4364	4988	112
	50	3383	3867	4421	5054	5777	125
	55	3798	4341	4963	5673	6485	136
	60	4167	4764	5446	6225	7116	145
	65	4496	5139	5875	6716	7677	153
40	40	1993	2279	2605	2977	3403	80
	45	2483	2838	3244	3708	4239	95
	50	2942	3363	3844	4395	5024	108
	55	3365	3846	4397	5026	5745	120
	60	3749	4286	4899	5600	6401	130
	65	4096	4682	5352	6118	6993	139
	70	4408	5038	5759	6584	7526	147

Table 21.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 80 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	2092	2392	2734	3125	3573	80
	50	2538	2901	3316	3791	4333	93
	55	2958	3382	3865	4419	5051	105
	60	3348	3827	4375	5001	5716	116
	65	3705	4236	4842	5535	6327	126
	70	4031	4608	5268	6022	6884	134
	75	4328	4947	5655	6464	7389	142
50	50	2175	2487	2842	3249	3714	80
	55	2584	2954	3376	3860	4412	92
	60	2971	3396	3882	4438	5073	103
	65	3332	3809	4354	4978	5690	113
	70	3667	4191	4791	5477	6260	122
	75	3974	4543	5193	5936	6785	130
	80	4255	4864	5560	6356	7266	138
55	55	2245	2567	2934	3354	3834	80
	60	2623	2998	3427	3918	4478	91
	65	2982	3408	3896	4454	5091	101
	70	3318	3793	4336	4956	5666	111
	75	3632	4152	4746	5425	6201	119
	80	3922	4483	5125	5858	6697	127
60	60	2306	2636	3013	3444	3937	80
	65	2656	3036	3471	3968	4535	90
	70	2990	3418	3907	4467	5106	100
	75	3305	3779	4319	4937	5644	108
	80	3601	4116	4705	5378	6148	116
65	65	2358	2695	3081	3522	4026	80
	70	2685	3069	3508	4011	4585	89
	75	2998	3427	3917	4478	5118	98
	80	3294	3765	4304	4920	5624	106
70	70	2404	2748	3141	3590	4104	80
	75	2710	3098	3541	4048	4628	89
	80	3004	3434	3925	4487	5129	97
75	75	2444	2794	3193	3650	4173	80
	80	2732	3123	3570	4081	4665	88
80	80	2480	2835	3240	3704	4234	80

Table 22.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 90 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	1449	1656	1893	2164	2473	90
	25	2261	2584	2954	3377	3860	118
	30	2991	3419	3908	4467	5106	139
	35	3614	4131	4722	5398	6171	155
	40	4137	4729	5406	6180	7064	166
	45	4575	5230	5978	6834	7812	175
	50	4943	5650	6459	7383	8440	182
25	25	1725	1972	2254	2577	2945	90
	30	2432	2780	3178	3633	4153	113
	35	3071	3511	4013	4588	5244	131
	40	3628	4147	4741	5419	6195	146
	45	4106	4694	5365	6133	7011	157
	50	4515	5161	5899	6744	7709	166
	55	4865	5561	6357	7266	8306	174
30	30	1938	2215	2532	2895	3309	90
	35	2562	2928	3347	3826	4374	110
	40	3129	3577	4089	4674	5343	126
	45	3631	4151	4745	5424	6200	139
	50	4070	4653	5319	6080	6950	150
	55	4453	5090	5818	6651	7603	159
	60	4785	5470	6253	7148	8171	166
35	35	2106	2408	2752	3146	3596	90
	40	2663	3044	3479	3977	4546	107
	45	3172	3626	4145	4738	5416	121
	50	3629	4149	4742	5421	6197	134
	55	4035	4612	5272	6027	6889	144
	60	4393	5022	5741	6562	7501	153
	65	4709	5383	6154	7034	8041	160
40	40	2242	2562	2929	3348	3828	90
	45	2743	3136	3585	4098	4684	105
	50	3206	3664	4189	4788	5474	118
	55	3625	4144	4737	5414	6189	129
	60	4001	4574	5229	5977	6832	139
	65	4338	4959	5668	6479	7407	147
	70	4638	5302	6061	6928	7920	155

Table 22.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 90 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	2353	2690	3075	3515	4018	90
	50	2809	3211	3671	4196	4797	103
	55	3232	3695	4224	4828	5519	115
	60	3619	4137	4729	5406	6180	126
	65	3970	4538	5188	5930	6779	135
	70	4287	4901	5602	6404	7320	143
	75	4573	5228	5976	6831	7808	150
50	50	2446	2796	3197	3654	4177	90
	55	2864	3274	3743	4279	4891	102
	60	3254	3720	4252	4861	5557	113
	65	3613	4130	4722	5397	6170	123
	70	3942	4506	5151	5888	6731	131
	75	4241	4848	5542	6335	7242	139
	80	4513	5159	5898	6742	7706	146
55	55	2525	2887	3300	3772	4312	90
	60	2911	3328	3804	4348	4971	101
	65	3272	3741	4276	4888	5588	111
	70	3607	4124	4714	5388	6159	120
	75	3916	4476	5117	5849	6686	128
	80	4199	4800	5487	6273	7170	136
60	60	2593	2964	3388	3873	4427	90
	65	2951	3373	3856	4408	5039	100
	70	3288	3758	4296	4911	5614	110
	75	3602	4117	4706	5380	6150	118
	80	3893	4450	5086	5814	6646	126
65	65	2652	3031	3465	3961	4528	90
	70	2986	3413	3901	4460	5098	99
	75	3301	3773	4313	4930	5636	108
	80	3596	4111	4699	5371	6140	116
70	70	2703	3090	3532	4038	4615	90
	75	3016	3448	3941	4505	5150	99
	80	3312	3786	4328	4947	5655	107
75	75	2748	3142	3591	4105	4693	90
	80	3043	3478	3976	4545	5195	98
80	80	2789	3188	3644	4165	4762	90

Table 23.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 100 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	1609	1839	2102	2403	2747	100
	25	2439	2788	3187	3643	4165	127
	30	3167	3620	4138	4731	5408	147
	35	3779	4320	4938	5645	6453	162
	40	4288	4902	5603	6405	7322	172
	45	4711	5386	6156	7037	8045	181
	50	5066	5791	6620	7567	8650	187
25	25	1916	2190	2504	2862	3272	100
	30	2637	3014	3446	3939	4503	123
	35	3274	3743	4278	4890	5590	140
	40	3821	4367	4992	5707	6524	154
	45	4285	4898	5599	6401	7317	164
	50	4679	5349	6115	6990	7990	172
	55	5016	5733	6554	7492	8564	179
30	30	2153	2461	2813	3215	3676	100
	35	2787	3186	3642	4163	4758	119
	40	3352	3832	4380	5007	5724	135
	45	3846	4396	5025	5744	6566	147
	50	4272	4884	5583	6381	7295	157
	55	4641	5305	6064	6932	7924	166
	60	4960	5670	6481	7409	8469	172
35	35	2339	2674	3057	3494	3994	100
	40	2904	3320	3795	4338	4959	117
	45	3412	3900	4458	5096	5826	131
	50	3861	4414	5045	5767	6593	142
	55	4255	4864	5561	6356	7266	152
	60	4601	5260	6012	6873	7856	160
	65	4904	5606	6408	7325	8374	167
40	40	2490	2846	3254	3719	4252	100
	45	2998	3427	3918	4478	5119	115
	50	3459	3954	4520	5166	5906	127
	55	3871	4425	5058	5782	6610	138
	60	4237	4844	5537	6329	7235	147
	65	4562	5215	5962	6815	7790	155
	70	4850	5545	6338	7245	8282	162

Table 23.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 100 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	2614	2988	3415	3904	4463	100
	50	3075	3515	4019	4594	5251	113
	55	3497	3997	4569	5223	5971	125
	60	3877	4432	5067	5792	6621	135
	65	4219	4823	5513	6302	7204	143
	70	4526	5173	5914	6760	7727	151
	75	4800	5487	6272	7170	8196	157
50	50	2717	3106	3551	4059	4640	100
	55	3140	3589	4103	4690	5361	112
	60	3528	4033	4610	5270	6024	123
	65	3882	4437	5072	5798	6628	132
	70	4202	4803	5491	6276	7175	140
	75	4491	5134	5869	6709	7669	147
	80	4753	5433	6211	7099	8115	154
55	55	2805	3206	3665	4190	4789	100
	60	3194	3652	4174	4772	5454	111
	65	3554	4063	4644	5309	6069	121
	70	3884	4440	5076	5802	6632	129
	75	4186	4785	5469	6252	7147	137
	80	4460	5098	5828	6662	7615	144
60	60	2880	3292	3763	4302	4918	100
	65	3241	3705	4235	4842	5534	110
	70	3577	4089	4674	5342	6107	119
	75	3886	4442	5078	5805	6635	127
	80	4170	4767	5449	6229	7120	135
65	65	2945	3367	3849	4399	5029	100
	70	3282	3752	4289	4902	5604	109
	75	3596	4111	4699	5371	6140	118
	80	3887	4443	5079	5806	6637	126
70	70	3002	3432	3923	4485	5126	100
	75	3318	3792	4335	4956	5665	109
	80	3613	4130	4721	5396	6168	117
75	75	3053	3490	3989	4560	5212	100
	80	3349	3828	4376	5002	5718	108
80	80	3098	3541	4048	4627	5289	100

Table 24.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 110 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	1769	2023	2312	2643	3021	110
	25	2611	2985	3412	3900	4458	136
	30	3333	3810	4355	4979	5691	155
	35	3932	4495	5138	5874	6714	168
	40	4426	5060	5784	6612	7558	178
	45	4835	5527	6318	7223	8256	185
	50	5177	5918	6765	7733	8839	191
25	25	2107	2409	2753	3147	3598	110
	30	2835	3241	3705	4235	4841	132
	35	3466	3962	4529	5177	5918	148
	40	4001	4573	5227	5976	6831	161
	45	4451	5087	5815	6648	7599	171
	50	4830	5522	6312	7215	8248	178
	55	5153	5890	6733	7697	8798	184
30	30	2367	2706	3093	3536	4042	110
	35	3006	3436	3928	4490	5133	129
	40	3565	4076	4659	5325	6088	143
	45	4047	4626	5288	6045	6910	155
	50	4460	5098	5828	6662	7615	164
	55	4815	5504	6291	7192	8221	172
	60	5120	5853	6690	7648	8742	178
35	35	2573	2941	3362	3843	4393	110
	40	3140	3589	4103	4690	5361	126
	45	3642	4163	4759	5440	6218	139
	50	4080	4664	5332	6095	6967	150
	55	4462	5101	5830	6665	7619	159
	60	4794	5480	6264	7161	8186	167
	65	5084	5811	6643	7593	8680	173
40	40	2738	3130	3578	4090	4675	110
	45	3248	3713	4244	4851	5545	124
	50	3703	4233	4838	5531	6322	136
	55	4105	4693	5364	6132	7009	147
	60	4459	5098	5827	6661	7614	155
	65	4772	5454	6235	7127	8147	162
	70	5047	5769	6595	7539	8617	168

Table 24.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 110 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	2874	3286	3756	4293	4908	110
	50	3336	3814	4360	4984	5697	123
	55	3752	4289	4903	5605	6407	134
	60	4124	4714	5389	6160	7041	143
	65	4455	5092	5821	6654	7606	151
	70	4749	5429	6205	7093	8109	158
	75	5011	5728	6548	7485	8556	164
50	50	2988	3416	3905	4463	5102	110
	55	3411	3899	4456	5094	5823	122
	60	3794	4336	4957	5666	6477	132
	65	4139	4731	5408	6182	7067	141
	70	4449	5085	5813	6645	7596	148
	75	4727	5403	6177	7060	8071	155
	80	4977	5689	6503	7434	8497	161
55	55	3085	3526	4031	4607	5267	110
	60	3473	3970	4539	5188	5931	121
	65	3828	4376	5002	5718	6537	130
	70	4150	4744	5423	6199	7087	138
	75	4442	5078	5804	6635	7585	146
	80	4706	5379	6149	7029	8035	152
60	60	3167	3620	4139	4731	5408	110
	65	3527	4032	4609	5269	6023	120
	70	3858	4410	5041	5763	6587	129
	75	4160	4755	5436	6214	7103	136
	80	4435	5070	5795	6625	7573	143
65	65	3239	3702	4232	4838	5530	110
	70	3574	4086	4671	5339	6103	119
	75	3884	4439	5075	5801	6631	127
	80	4168	4764	5446	6226	7117	135
70	70	3302	3774	4314	4932	5638	110
	75	3615	4133	4724	5400	6173	118
	80	3906	4465	5104	5835	6669	126
75	75	3357	3838	4387	5014	5732	110
	80	3652	4174	4772	5455	6235	118
80	80	3406	3894	4451	5088	5816	110

Table 25.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 120 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	1930	2206	2522	2882	3295	120
	25	2777	3175	3629	4148	4742	145
	30	3490	3990	4560	5213	5959	162
	35	4075	4658	5325	6087	6958	174
	40	4554	5206	5951	6802	7776	183
	45	4949	5657	6467	7392	8450	190
	50	5278	6033	6897	7884	9012	195
25	25	2298	2627	3003	3433	3924	120
	30	3028	3461	3957	4523	5170	141
	35	3649	4172	4769	5451	6231	156
	40	4169	4766	5448	6228	7119	168
	45	4604	5263	6016	6877	7862	176
	50	4970	5681	6494	7423	8485	183
	55	5279	6034	6898	7885	9013	189
30	30	2582	2951	3374	3856	4408	120
	35	3220	3681	4207	4809	5498	138
	40	3769	4309	4925	5630	6436	152
	45	4238	4844	5537	6330	7236	162
	50	4636	5299	6058	6925	7916	171
	55	4976	5688	6502	7432	8496	178
	60	5268	6021	6883	7868	8994	183
35	35	2806	3207	3666	4191	4791	120
	40	3371	3853	4405	5035	5755	135
	45	3863	4416	5048	5770	6596	148
	50	4289	4903	5604	6406	7323	158
	55	4656	5323	6084	6955	7950	166
	60	4974	5686	6500	7430	8493	173
	65	5250	6002	6860	7842	8964	179
40	40	2986	3414	3902	4461	5099	120
	45	3493	3992	4564	5217	5963	134
	50	3938	4502	5146	5883	6724	145
	55	4328	4948	5656	6465	7391	155
	60	4669	5338	6102	6975	7973	162
	65	4968	5679	6492	7421	8482	169
	70	5230	5978	6834	7812	8930	174

25.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 120 square feet.

Initial age	Final age (Years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	3135	3583	4096	4682	5353	120
	50	3593	4107	4695	5367	6135	132
	55	4000	4572	5227	5975	6830	143
	60	4360	4984	5697	6513	7445	152
	65	4678	5348	6113	6988	7988	159
	70	4959	5669	6480	7408	8468	165
	75	5208	5954	6806	7780	8893	171
50	50	3259	3725	4258	4868	5564	120
	55	3677	4203	4805	5492	6278	131
	60	4051	4631	5294	6052	6918	141
	65	4386	5013	5731	6551	7488	149
	70	4684	5354	6120	6996	7997	156
	75	4949	5658	6467	7393	8451	162
	80	5187	5929	6778	7748	8856	168
55	55	3364	3845	4396	5025	5744	120
	60	3748	4285	4898	5599	6400	130
	65	4095	4681	5351	6117	6992	139
	70	4407	5038	5758	6583	7525	147
	75	4687	5358	6125	7001	8003	154
	80	4939	5646	6454	7377	8433	160
60	60	3454	3949	4514	5160	5898	120
	65	3810	4355	4978	5690	6505	129
	70	4132	4724	5400	6172	7056	138
	75	4425	5058	5782	6609	7555	145
	80	4689	5360	6127	7004	8007	152
65	65	3532	4038	4616	5276	6032	120
	70	3863	4416	5048	5770	6596	129
	75	4165	4761	5442	6221	7111	137
	80	4440	5075	5802	6632	7581	143
70	70	3601	4116	4705	5379	6148	120
	75	3910	4469	5109	5840	6676	128
	80	4193	4793	5479	6263	7160	135
75	75	3661	4185	4784	5469	6252	120
	80	3951	4517	5163	5902	6746	128
80	80	3715	4247	4854	5549	6343	120

Table 26.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 130 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	2090	2389	2731	3122	3569	130
	25	2938	3358	3839	4388	5016	154
	30	3639	4160	4755	5436	6213	169
	35	4209	4811	5499	6286	7186	180
	40	4672	5341	6105	6979	7978	188
	45	5054	5777	6604	7549	8629	194
	50	5371	6139	7018	8022	9170	198
25	25	2489	2845	3252	3718	4250	130
	30	3216	3676	4202	4803	5491	150
	35	3824	4372	4997	5712	6530	164
	40	4329	4948	5657	6466	7391	174
	45	4748	5428	6204	7092	8107	182
	50	5099	5828	6663	7616	8706	188
	55	5395	6167	7049	8058	9211	193
30	30	2796	3196	3654	4177	4775	130
	35	3429	3919	4480	5121	5854	147
	40	3966	4533	5182	5923	6771	159
	45	4418	5051	5774	6600	7544	169
	50	4801	5488	6274	7172	8198	177
	55	5126	5860	6699	7657	8753	183
	60	5404	6178	7062	8073	9228	188
35	35	3039	3474	3971	4539	5189	130
	40	3597	4112	4700	5373	6141	145
	45	4077	4660	5327	6089	6961	156
	50	4488	5130	5864	6703	7662	165
	55	4840	5532	6324	7229	8264	173
	60	5143	5879	6720	7682	8782	179
	65	5406	6179	7063	8074	9230	184
40	40	3234	3697	4226	4831	5523	130
	45	3733	4267	4878	5576	6374	143
	50	4166	4763	5444	6223	7114	154
	55	4542	5192	5936	6785	7756	162
	60	4869	5565	6362	7272	8313	169
	65	5153	5890	6733	7697	8798	175
	70	5401	6174	7058	8068	9223	180

Table 26.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 130 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	3395	3881	4437	5071	5797	130
	50	3845	4395	5024	5743	6565	142
	55	4240	4847	5541	6334	7240	151
	60	4587	5243	5994	6851	7832	159
	65	4891	5591	6391	7305	8351	166
	70	5158	5896	6740	7705	8807	172
	75	5394	6166	7049	8057	9210	177
50	50	3530	4035	4612	5272	6027	130
	55	3939	4503	5147	5884	6726	141
	60	4302	4918	5622	6426	7346	150
	65	4624	5285	6042	6906	7895	157
	70	4908	5611	6414	7331	8381	164
	75	5161	5899	6743	7708	8812	169
	80	5385	6156	7037	8044	9195	174
55	55	3643	4165	4761	5442	6221	130
	60	4019	4594	5252	6004	6863	140
	65	4355	4978	5691	6505	7436	148
	70	4655	5321	6082	6953	7948	155
	75	4922	5626	6432	7352	8404	161
	80	5161	5900	6744	7709	8812	167
60	60	3741	4277	4889	5588	6388	130
	65	4088	4673	5342	6107	6980	139
	70	4400	5030	5750	6573	7513	147
	75	4681	5351	6117	6992	7992	154
	80	4933	5639	6446	7369	8423	159
65	65	3826	4373	4999	5715	6533	130
	70	4148	4742	5420	6196	7083	138
	75	4440	5075	5802	6632	7581	146
	80	4704	5377	6146	7026	8031	152
70	70	3900	4458	5096	5826	6659	130
	75	4201	4802	5489	6275	7173	138
	80	4474	5115	5847	6683	7640	145
75	75	3966	4533	5182	5923	6771	130
	80	4247	4855	5550	6344	7252	137
80	80	4024	4599	5258	6010	6870	130

Table 27.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	2250	2572	2940	3361	3842	140
	25	3094	3537	4043	4621	5283	162
	30	3781	4322	4940	5647	6456	176
	35	4334	4955	5664	6474	7401	186
	40	4783	5467	6250	7144	8167	192
	45	5151	5888	6730	7694	8795	197
	50	5456	6237	7130	8150	9316	201
25	25	2680	3063	3502	4003	4576	140
	30	3399	3885	4441	5076	5803	158
	35	3992	4563	5216	5963	6816	171
	40	4480	5121	5854	6692	7649	180
	45	4883	5582	6381	7294	8338	187
	50	5219	5966	6820	7796	8912	192
	55	5503	6290	7190	8219	9396	197
30	30	3011	3442	3934	4497	5141	140
	35	3633	4153	4747	5426	6203	155
	40	4154	4749	5429	6205	7093	167
	45	4591	5248	5999	6857	7838	176
	50	4957	5667	6478	7405	8464	183
	55	5268	6021	6883	7868	8994	188
	60	5532	6324	7229	8264	9446	192
35	35	3272	3740	4275	4887	5587	140
	40	3819	4365	4990	5704	6520	154
	45	4283	4896	5597	6398	7313	164
	50	4678	5347	6112	6987	7987	172
	55	5014	5732	6552	7489	8561	179
	60	5302	6061	6928	7920	9053	184
	65	5551	6345	7254	8292	9478	189
40	40	3482	3981	4551	5202	5946	140
	45	3969	4537	5186	5929	6777	152
	50	4388	5016	5733	6554	7492	162
	55	4748	5427	6204	7092	8107	170
	60	5059	5782	6610	7556	8637	176
	65	5328	6090	6962	7958	9097	181
	70	5563	6359	7269	8309	9498	186

Table 27.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	3656	4179	4777	5460	6242	140
	50	4093	4679	5349	6114	6989	151
	55	4474	5114	5846	6683	7639	160
	60	4805	5493	6279	7178	8205	167
	65	5094	5823	6657	7609	8698	173
	70	5347	6112	6987	7987	9130	178
	75	5570	6367	7278	8319	9510	183
50	50	3800	4344	4966	5676	6489	140
	55	4198	4799	5485	6270	7168	150
	60	4547	5198	5941	6792	7764	158
	65	4854	5548	6342	7250	8287	165
	70	5123	5857	6695	7653	8748	171
	75	5362	6129	7006	8009	9155	176
	80	5573	6371	7282	8324	9516	180
55	55	3923	4484	5126	5860	6698	140
	60	4287	4900	5602	6403	7320	149
	65	4609	5269	6023	6884	7870	157
	70	4894	5595	6396	7311	8357	163
	75	5148	5884	6726	7689	8789	169
	80	5373	6142	7021	8026	9174	174
60	60	4028	4605	5263	6017	6878	140
	65	4363	4988	5702	6518	7450	148
	70	4663	5330	6093	6964	7961	155
	75	4930	5635	6441	7363	8417	162
	80	5168	5908	6753	7720	8824	167
65	65	4119	4709	5383	6153	7034	140
	70	4430	5064	5789	6617	7564	148
	75	4709	5383	6154	7034	8041	154
	80	4960	5670	6481	7409	8469	160
70	70	4199	4800	5487	6272	7170	140
	75	4489	5131	5865	6705	7664	147
	80	4750	5430	6207	7096	8111	154
75	75	4270	4881	5579	6377	7290	140
	80	4541	5190	5933	6782	7753	147
80	80	4332	4952	5661	6471	7397	140

Table 28.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
20	20	2411	2755	3150	3601	4116	150
	25	3246	3710	4241	4848	5542	170
	30	3916	4477	5117	5850	6687	182
	35	4453	5090	5819	6651	7603	191
	40	4886	5586	6385	7299	8343	197
	45	5241	5991	6849	7829	8949	201
	50	5536	6328	7233	8269	9452	204
25	25	2871	3281	3751	4288	4901	150
	30	3577	4089	4674	5343	6108	166
	35	4153	4747	5427	6204	7091	178
	40	4623	5285	6041	6906	7894	186
	45	5010	5727	6547	7484	8555	192
	50	5332	6095	6968	7965	9105	197
	55	5603	6405	7322	8370	9567	200
30	30	3225	3687	4214	4817	5507	150
	35	3833	4382	5009	5725	6545	164
	40	4337	4957	5667	6478	7405	174
	45	4755	5436	6214	7103	8119	182
	50	5105	5836	6671	7626	8717	188
	55	5400	6173	7057	8067	9221	193
	60	5652	6461	7385	8442	9651	197
35	35	3505	4006	4580	5235	5984	150
	40	4036	4614	5274	6029	6892	162
	45	4483	5125	5858	6697	7655	172
	50	4860	5556	6351	7259	8298	179
	55	5180	5921	6768	7737	8844	185
	60	5453	6233	7125	8145	9310	190
	65	5688	6502	7432	8496	9712	194
40	40	3730	4264	4875	5572	6370	150
	45	4201	4803	5490	6276	7174	161
	50	4603	5261	6014	6875	7859	170
	55	4945	5653	6462	7387	8444	177
	60	5240	5990	6847	7827	8947	182
	65	5494	6280	7179	8206	9381	187
	70	5715	6533	7468	8536	9758	191

Table 28.--Current and projected total cubic foot volumes, o.b., (VOT) and projected basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOT (cubic feet,o.b.,/acre)					BT2
45	45	3916	4476	5117	5849	6686	150
	50	4338	4959	5669	6480	7407	160
	55	4702	5375	6144	7023	8028	168
	60	5016	5734	6555	7493	8565	174
	65	5289	6046	6911	7900	9031	180
	70	5527	6318	7222	8256	9437	184
	75	5736	6556	7495	8567	9793	188
50	50	4071	4653	5319	6081	6951	150
	55	4453	5090	5819	6652	7603	159
	60	4786	5471	6253	7148	8171	166
	65	5076	5802	6633	7582	8667	173
	70	5330	6093	6965	7962	9101	178
	75	5554	6349	7257	8296	9483	182
	80	5752	6575	7515	8591	9820	186
55	55	4202	4804	5491	6277	7175	150
	60	4551	5202	5947	6798	7771	158
	65	4857	5553	6347	7255	8294	165
	70	5127	5861	6699	7658	8754	171
	75	5365	6133	7011	8014	9161	176
	80	5576	6374	7286	8329	9521	180
60	60	4315	4932	5638	6445	7368	150
	65	4636	5299	6057	6924	7915	158
	70	4919	5623	6428	7348	8400	164
	75	5171	5911	6757	7724	8829	170
	80	5395	6167	7050	8058	9212	174
65	65	4413	5044	5766	6591	7534	150
	70	4709	5383	6153	7034	8041	157
	75	4974	5685	6499	7429	8492	163
	80	5210	5955	6807	7781	8895	168
70	70	4498	5142	5878	6719	7680	150
	75	4774	5457	6238	7131	8151	157
	80	5021	5740	6561	7500	8573	162
75	75	4574	5228	5976	6832	7809	150
	80	4831	5523	6313	7216	8249	156
80	80	4641	5305	6064	6932	7924	150

Table 29.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 20 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	81	162	235	302	370	20
	25	307	474	611	743	884	37
	30	640	890	1102	1317	1554	56
	35	1035	1361	1650	1954	2297	74
	40	1450	1842	2207	2601	3049	91
	45	1857	2306	2742	3222	3772	106
	50	2240	2739	3241	3801	4444	119
25	25	189	272	342	412	488	20
	30	417	554	676	803	946	33
	35	709	908	1091	1289	1512	48
	40	1042	1302	1552	1827	2139	63
	45	1392	1711	2028	2381	2785	78
	50	1742	2115	2497	2926	3420	91
	55	2078	2501	2945	3447	4027	103
30	30	275	347	416	491	576	20
	35	485	601	715	842	986	31
	40	741	907	1075	1263	1477	43
	45	1027	1246	1472	1726	2018	56
	50	1329	1601	1886	2208	2580	68
	55	1634	1956	2299	2690	3141	80
	60	1932	2302	2702	3159	3688	91
35	35	332	399	470	551	644	20
	40	524	629	742	869	1015	29
	45	752	900	1059	1240	1448	40
	50	1004	1198	1407	1646	1923	50
	55	1269	1509	1771	2071	2418	61
	60	1538	1825	2139	2500	2918	72
	65	1806	2136	2502	2923	3411	81
40	40	370	437	512	599	699	20
	45	548	648	760	888	1037	28
	50	753	891	1044	1220	1425	37
	55	978	1156	1354	1582	1846	46
	60	1214	1433	1678	1960	2288	56
	65	1456	1716	2009	2346	2737	65
	70	1697	1999	2338	2729	3184	74

Table 29.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 20 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	399	468	547	638	744	20
	50	563	662	774	904	1055	27
	55	750	882	1031	1204	1405	35
	60	953	1120	1310	1529	1784	43
	65	1166	1370	1602	1870	2181	52
	70	1384	1626	1901	2218	2588	60
	75	1604	1883	2201	2568	2996	68
50	50	421	492	575	671	782	20
	55	574	672	785	916	1069	26
	60	745	873	1020	1190	1388	33
	65	930	1090	1273	1485	1733	41
	70	1124	1317	1538	1795	2094	48
	75	1323	1550	1811	2112	2464	56
	80	1524	1786	2085	2433	2837	63
55	55	440	513	599	698	815	20
	60	582	681	794	926	1080	26
	65	740	865	1010	1178	1374	32
	70	909	1064	1242	1449	1689	39
	75	1087	1272	1485	1732	2020	45
	80	1270	1486	1734	2023	2359	52
60	60	455	531	619	722	842	20
	65	589	687	802	935	1090	25
	70	735	858	1002	1168	1362	31
	75	891	1041	1215	1417	1653	37
	80	1055	1233	1439	1678	1957	43
65	65	469	547	637	743	866	20
	70	594	693	808	942	1099	25
	75	730	852	994	1159	1352	30
	80	875	1022	1192	1390	1621	36
70	70	480	560	653	761	888	20
	75	598	698	814	949	1106	25
	80	726	847	987	1151	1343	29
75	75	490	572	667	777	906	20
	80	602	702	818	954	1113	24
80	80	500	583	679	792	923	20

Table 30.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 30 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	120	240	349	448	549	30
	25	404	640	832	1016	1212	51
	30	804	1140	1418	1699	2007	73
	35	1256	1671	2033	2411	2835	92
	40	1710	2189	2627	3099	3634	109
	45	2140	2670	3178	3737	4374	123
	50	2532	3105	3677	4313	5044	135
25	25	259	391	501	607	722	30
	30	552	758	934	1114	1314	47
	35	911	1188	1437	1700	1997	64
	40	1299	1641	1963	2313	2711	81
	45	1688	2090	2482	2916	3412	96
	50	2062	2516	2975	3488	4078	109
	55	2411	2912	3432	4018	4695	121
30	30	382	502	611	725	853	30
	35	655	833	1000	1180	1384	44
	40	971	1209	1440	1693	1983	58
	45	1309	1604	1900	2230	2608	73
	50	1649	1999	2359	2764	3230	86
	55	1979	2380	2802	3279	3830	98
	60	2294	2741	3220	3766	4397	109
35	35	471	583	693	815	955	30
	40	722	883	1046	1228	1436	42
	45	1004	1217	1437	1684	1969	54
	50	1302	1567	1845	2160	2524	67
	55	1604	1919	2255	2638	3081	78
	60	1900	2263	2656	3105	3625	89
	65	2185	2593	3040	3552	4146	100
40	40	535	643	757	887	1037	30
	45	765	917	1079	1263	1476	40
	50	1020	1218	1431	1674	1955	51
	55	1287	1532	1798	2102	2455	62
	60	1559	1849	2168	2534	2958	73
	65	1828	2163	2533	2959	3453	83
	70	2089	2466	2886	3371	3933	92

Table 30.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 30 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	582	690	809	946	1105	30
	50	795	942	1105	1292	1508	39
	55	1027	1216	1425	1665	1943	49
	60	1270	1501	1758	2054	2396	58
	65	1517	1790	2095	2447	2855	68
	70	1762	2077	2429	2836	3309	77
	75	2003	2356	2755	3216	3752	86
50	50	619	728	852	995	1161	30
	55	817	962	1126	1314	1534	38
	60	1030	1213	1419	1657	1933	47
	65	1253	1474	1723	2012	2347	56
	70	1479	1739	2033	2373	2768	64
	75	1705	2002	2340	2732	3186	73
	80	1927	2262	2643	3084	3597	81
55	55	648	760	888	1037	1209	30
	60	833	978	1142	1333	1555	38
	65	1031	1209	1413	1649	1924	45
	70	1236	1450	1694	1977	2306	53
	75	1444	1694	1979	2309	2693	61
	80	1653	1938	2264	2642	3081	69
60	60	673	787	919	1072	1251	30
	65	846	990	1157	1349	1574	37
	70	1030	1206	1408	1643	1916	44
	75	1220	1428	1668	1946	2270	51
	80	1414	1655	1932	2254	2629	58
65	65	694	811	946	1104	1287	30
	70	856	1001	1169	1363	1590	36
	75	1028	1202	1403	1637	1909	43
	80	1205	1410	1645	1919	2238	50
70	70	712	831	970	1131	1319	30
	75	865	1010	1179	1375	1603	36
	80	1026	1199	1399	1631	1902	42
75	75	727	849	990	1155	1347	30
	80	872	1018	1188	1385	1615	35
80	80	741	865	1009	1176	1372	30

Table 31.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 40 square feet,

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	159	317	462	594	727	40
	25	492	790	1032	1263	1508	64
	30	942	1350	1686	2021	2389	87
	35	1433	1919	2340	2777	3266	106
	40	1911	2455	2951	3483	4085	123
	45	2351	2941	3504	4121	4825	136
	50	2744	3372	3995	4687	5482	147
25	25	328	509	657	801	954	40
	30	676	945	1171	1400	1653	59
	35	1084	1430	1735	2057	2417	78
	40	1509	1921	2302	2715	3182	95
	45	1922	2390	2843	3341	3911	110
	50	2309	2825	3343	3921	4584	123
	55	2661	3220	3797	4447	5196	134
30	30	484	655	803	956	1127	40
	35	810	1048	1264	1495	1755	56
	40	1172	1474	1761	2073	2429	72
	45	1544	1905	2261	2655	3107	87
	50	1908	2322	2744	3217	3760	100
	55	2252	2715	3199	3745	4375	112
	60	2571	3079	3619	4233	4944	123
35	35	603	762	913	1077	1262	40
	40	903	1119	1330	1564	1831	54
	45	1226	1499	1774	2081	2434	68
	50	1556	1883	2221	2602	3041	81
	55	1880	2258	2657	3110	3633	93
	60	2191	2616	3073	3593	4196	104
	65	2484	2952	3463	4047	4724	114
40	40	692	844	999	1173	1372	40
	45	966	1169	1380	1617	1890	52
	50	1258	1512	1781	2085	2435	64
	55	1555	1859	2185	2556	2985	76
	60	1849	2200	2582	3019	3524	87
	65	2132	2529	2964	3463	4042	97
	70	2402	2840	3326	3885	4534	106

Table 31.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 40 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	758	908	1069	1251	1462	40
	50	1011	1207	1419	1659	1938	51
	55	1278	1520	1784	2086	2435	62
	60	1548	1836	2153	2516	2937	72
	65	1816	2149	2517	2940	3431	82
	70	2077	2452	2870	3351	3910	91
	75	2327	2742	3207	3745	4369	100
50	50	810	960	1126	1316	1537	40
	55	1045	1237	1450	1694	1977	50
	60	1290	1524	1785	2086	2434	59
	65	1538	1815	2125	2481	2895	69
	70	1785	2103	2461	2873	3352	78
	75	2026	2384	2788	3254	3796	87
	80	2259	2655	3103	3622	4225	95
55	55	852	1004	1175	1372	1601	40
	60	1070	1261	1475	1722	2010	49
	65	1297	1527	1786	2085	2432	58
	70	1527	1796	2100	2451	2859	66
	75	1756	2063	2411	2814	3283	75
	80	1980	2325	2716	3170	3697	83
60	60	886	1040	1216	1419	1656	40
	65	1090	1280	1497	1747	2038	48
	70	1302	1528	1786	2084	2431	56
	75	1515	1778	2078	2424	2828	64
	80	1729	2027	2368	2763	3223	72
65	65	915	1072	1252	1461	1704	40
	70	1107	1297	1515	1767	2062	47
	75	1304	1528	1785	2083	2429	55
	80	1504	1762	2058	2401	2800	62
70	70	939	1099	1283	1497	1746	40
	75	1120	1311	1531	1786	2082	47
	80	1306	1528	1784	2081	2427	54
75	75	961	1123	1311	1529	1783	40
	80	1132	1323	1544	1801	2101	46
80	80	980	1145	1336	1558	1816	40

Table 32.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	198	395	574	738	904	50
	25	573	928	1217	1492	1782	76
	30	1063	1534	1920	2304	2724	99
	35	1581	2128	2598	3086	3630	119
	40	2074	2674	3216	3797	4454	134
	45	2519	3158	3765	4428	5185	147
	50	2911	3582	4245	4981	5826	157
25	25	396	625	813	993	1184	50
	30	791	1119	1392	1667	1969	71
	35	1238	1646	2002	2375	2792	91
	40	1690	2161	2594	3060	3588	107
	45	2118	2642	3145	3697	4328	122
	50	2510	3077	3644	4274	4998	134
	55	2862	3468	4091	4791	5599	144
30	30	583	805	993	1186	1399	50
	35	955	1250	1513	1791	2104	68
	40	1353	1714	2051	2417	2833	84
	45	1750	2169	2577	3028	3543	99
	50	2128	2598	3072	3603	4212	113
	55	2478	2994	3529	4133	4829	124
	60	2798	3355	3946	4616	5390	134
35	35	732	940	1131	1336	1568	50
	40	1072	1342	1600	1884	2206	65
	45	1428	1756	2082	2445	2860	80
	50	1781	2163	2555	2995	3500	93
	55	2119	2552	3005	3518	4109	105
	60	2437	2915	3426	4007	4679	116
	65	2731	3251	3814	4458	5204	126
40	40	845	1043	1239	1456	1704	50
	45	1156	1409	1667	1955	2286	63
	50	1476	1784	2103	2464	2879	76
	55	1794	2153	2532	2963	3461	88
	60	2101	2507	2944	3443	4020	99
	65	2392	2842	3333	3896	4547	109
	70	2665	3155	3697	4318	5039	119

Table 32.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	930	1124	1326	1554	1816	50
	50	1216	1460	1719	2012	2351	62
	55	1509	1802	2118	2477	2893	73
	60	1799	2140	2511	2935	3426	84
	65	2080	2466	2890	3377	3942	94
	70	2349	2777	3252	3798	4432	104
	75	2602	3070	3592	4194	4894	113
50	50	997	1190	1398	1636	1910	50
	55	1262	1501	1761	2059	2404	61
	60	1531	1815	2128	2487	2903	71
	65	1797	2126	2491	2910	3395	81
	70	2057	2429	2843	3320	3873	91
	75	2307	2718	3180	3712	4331	99
	80	2544	2993	3500	4085	4765	107
55	55	1051	1245	1459	1705	1990	50
	60	1297	1533	1796	2098	2448	60
	65	1546	1825	2136	2494	2911	69
	70	1793	2113	2472	2887	3368	78
	75	2035	2395	2800	3269	3813	87
	80	2268	2666	3116	3636	4242	95
60	60	1095	1291	1511	1764	2059	50
	65	1325	1560	1825	2131	2486	59
	70	1557	1832	2142	2500	2917	68
	75	1788	2101	2456	2866	3344	76
	80	2013	2364	2762	3224	3760	84
65	65	1133	1331	1556	1816	2118	50
	70	1348	1583	1850	2159	2519	58
	75	1565	1837	2147	2505	2922	66
	80	1781	2089	2441	2848	3322	74
70	70	1164	1365	1595	1861	2171	50
	75	1367	1603	1872	2184	2548	58
	80	1571	1841	2151	2509	2926	65
75	75	1192	1395	1629	1901	2217	50
	80	1384	1620	1891	2206	2573	57
80	80	1216	1422	1660	1936	2258	50

Table 33.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 60 square feet

Initial age (Years)	Final age (Years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	236	471	686	882	1081	60
	25	649	1057	1390	1705	2038	87
	30	1172	1698	2129	2557	3024	111
	35	1710	2310	2822	3353	3945	129
	40	2213	2859	3441	4064	4767	144
	45	2659	3339	3982	4685	5485	155
	50	3048	3754	4451	5223	6109	165
25	25	464	741	968	1184	1413	60
	30	899	1284	1601	1920	2269	82
	35	1378	1842	2244	2664	3133	102
	40	1849	2374	2852	3366	3947	118
	45	2287	2859	3405	4004	4688	132
	50	2680	3292	3899	4575	5350	144
	55	3029	3675	4336	5079	5936	153
30	30	682	954	1183	1414	1670	60
	35	1093	1442	1750	2074	2437	79
	40	1519	1934	2319	2734	3205	96
	45	1933	2404	2860	3361	3934	111
	50	2320	2839	3360	3941	4608	123
	55	2673	3234	3814	4467	5219	134
	60	2991	3590	4222	4940	5770	144
35	35	859	1115	1347	1594	1872	60
	40	1234	1555	1859	2190	2566	76
	45	1615	1995	2369	2783	3256	91
	50	1983	2417	2857	3350	3916	104
	55	2330	2812	3313	3879	4532	116
	60	2650	3175	3733	4367	5099	127
	65	2943	3507	4116	4811	5617	136
40	40	995	1240	1477	1737	2035	60
	45	1336	1639	1943	2280	2667	74
	50	1680	2037	2405	2818	3294	87
	55	2012	2420	2850	3335	3896	100
	60	2328	2782	3269	3823	4464	111
	65	2621	3119	3659	4276	4991	120
	70	2893	3429	4018	4694	5478	129

Table 33.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 60 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	1100	1338	1582	1855	2169	60
	50	1413	1704	2009	2353	2749	73
	55	1725	2067	2432	2845	3323	85
	60	2029	2419	2840	3321	3877	96
	65	2318	2753	3228	3772	4402	106
	70	2590	3066	3591	4195	4895	115
	75	2843	3357	3930	4589	5354	123
50	50	1182	1418	1669	1953	2281	60
	55	1470	1755	2062	2412	2817	71
	60	1758	2090	2452	2866	3346	82
	65	2037	2414	2830	3306	3859	92
	70	2305	2724	3190	3726	4348	102
	75	2558	3017	3530	4122	4809	111
	80	2796	3292	3850	4494	5243	118
55	55	1248	1484	1741	2036	2377	60
	60	1516	1797	2107	2462	2874	70
	65	1782	2107	2468	2883	3365	80
	70	2041	2409	2819	3292	3842	90
	75	2290	2698	3156	3685	4299	99
	80	2527	2973	3476	4057	4733	107
60	60	1303	1540	1804	2107	2459	60
	65	1552	1832	2145	2505	2922	70
	70	1800	2121	2481	2897	3380	79
	75	2041	2403	2809	3280	3826	87
	80	2275	2674	3125	3648	4255	96
65	65	1348	1588	1858	2169	2531	60
	70	1582	1861	2177	2541	2965	69
	75	1814	2132	2492	2909	3393	77
	80	2040	2396	2800	3268	3812	85
70	70	1387	1629	1905	2223	2593	60
	75	1607	1887	2205	2573	3001	68
	80	1825	2141	2501	2919	3405	76
75	75	1421	1666	1946	2271	2649	60
	80	1628	1909	2229	2601	3034	68
80	80	1450	1698	1983	2313	2698	60

Table 34.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 70 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	274	548	797	1026	1256	70
	25	720	1179	1554	1907	2280	98
	30	1270	1848	2320	2787	3297	121
	35	1825	2470	3021	3591	4225	139
	40	2333	3020	3637	4295	5039	152
	45	2780	3494	4168	4904	5743	163
	50	3165	3901	4625	5428	6349	171
25	25	531	857	1122	1374	1641	70
	30	1002	1440	1801	2161	2554	93
	35	1507	2023	2468	2931	3447	112
	40	1992	2565	3084	3640	4270	128
	45	2435	3050	3635	4275	5006	142
	50	2829	3478	4121	4836	5655	152
	55	3173	3852	4547	5327	6225	161
30	30	780	1102	1371	1642	1939	70
	35	1224	1626	1977	2345	2757	89
	40	1673	2139	2567	3029	3551	106
	45	2100	2619	3117	3665	4290	121
	50	2492	3055	3616	4242	4961	133
	55	2844	3445	4064	4761	5563	143
	60	3158	3793	4463	5222	6099	152
35	35	984	1290	1563	1851	2174	70
	40	1389	1761	2108	2485	2912	87
	45	1789	2219	2638	3099	3627	102
	50	2169	2650	3134	3676	4298	115
	55	2520	3046	3591	4205	4914	126
	60	2840	3407	4006	4687	5473	136
	65	3129	3732	4381	5121	5979	145
40	40	1143	1436	1714	2018	2364	70
	45	1511	1862	2209	2594	3035	85
	50	1871	2276	2689	3153	3685	98
	55	2214	2668	3143	3680	4299	110
	60	2533	3032	3564	4168	4868	121
	65	2827	3366	3950	4617	5390	130
	70	3095	3671	4303	5027	5867	139

Table 34.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 70 square feet.

Initial age (Years)	Final age (Years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	1267	1551	1836	2155	2520	70
	50	1602	1940	2290	2683	3135	83
	55	1930	2319	2729	3194	3731	95
	60	2242	2678	3146	3679	4296	106
	65	2535	3015	3536	4133	4825	116
	70	2807	3327	3898	4554	5314	125
	75	3058	3614	4231	4941	5765	133
50	50	1364	1644	1938	2269	2651	70
	55	1673	2003	2355	2756	3218	82
	60	1973	2351	2761	3228	3768	93
	65	2261	2684	3147	3677	4292	103
	70	2532	2997	3510	4100	4785	112
	75	2786	3289	3850	4495	5245	121
	80	3022	3560	4164	4862	5672	128
55	55	1443	1722	2023	2366	2762	70
	60	1728	2054	2410	2817	3288	81
	65	2006	2377	2786	3255	3799	91
	70	2273	2686	3146	3674	4287	100
	75	2526	2979	3486	4070	4748	109
	80	2764	3254	3805	4442	5182	117
60	60	1508	1788	2095	2449	2858	70
	65	1773	2097	2456	2869	3348	80
	70	2032	2398	2807	3278	3824	89
	75	2281	2687	3143	3670	4281	98
	80	2518	2962	3463	4042	4715	106
65	65	1562	1844	2158	2521	2941	70
	70	1810	2133	2496	2914	3400	79
	75	2052	2415	2824	3297	3846	88
	80	2286	2687	3141	3665	4276	96
70	70	1608	1892	2213	2584	3014	70
	75	1841	2165	2530	2954	3445	79
	80	2069	2430	2839	3314	3865	87
75	75	1648	1935	2262	2639	3079	70
	80	1868	2192	2561	2988	3485	78
80	80	1683	1973	2304	2689	3136	70

Table 35.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of long leaf pine in the East Gulf,initial basal area (BT1) = 80 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	312	624	908	1168	1431	80
	25	788	1295	1709	2099	2509	108
	30	1360	1985	2495	2999	3548	130
	35	1927	2615	3200	3804	4476	147
	40	2440	3162	3810	4500	5280	160
	45	2885	3629	4331	5096	5968	169
	50	3266	4027	4776	5606	6557	177
25	25	599	972	1276	1564	1869	80
	30	1101	1590	1992	2391	2828	103
	35	1626	2191	2676	3179	3739	122
	40	2123	2738	3295	3890	4563	138
	45	2568	3221	3841	4518	5291	150
	50	2960	3643	4317	5067	5926	160
	55	3300	4008	4732	5544	6479	168
30	30	877	1250	1559	1868	2208	80
	35	1350	1803	2196	2606	3064	100
	40	1818	2332	2801	3305	3876	116
	45	2253	2816	3354	3944	4617	130
	50	2647	3250	3849	4516	5281	142
	55	2997	3634	4288	5023	5870	152
	60	3305	3974	4676	5472	6391	160
35	35	1108	1464	1777	2107	2476	80
	40	1538	1959	2349	2770	3247	97
	45	1954	2431	2891	3399	3978	112
	50	2341	2866	3392	3978	4651	125
	55	2694	3261	3845	4503	5262	136
	60	3011	3615	4253	4976	5811	145
	65	3295	3933	4617	5398	6302	153
40	40	1290	1630	1950	2297	2692	80
	45	1679	2078	2468	2899	3393	95
	50	2052	2503	2960	3470	4057	108
	55	2401	2899	3417	4001	4674	120
	60	2721	3262	3835	4486	5239	130
	65	3013	3591	4215	4928	5752	139
	70	3277	3889	4559	5327	6217	147

Table 35.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 80 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	1433	1762	2090	2454	2870	80
	50	1786	2170	2563	3004	3511	93
	55	2125	2559	3013	3527	4121	105
	60	2442	2922	3434	4016	4690	116
	65	2737	3258	3822	4468	5215	126
	70	3007	3565	4178	4882	5697	134
	75	3253	3846	4503	5259	6137	142
50	50	1545	1870	2206	2584	3020	80
	55	1869	2244	2641	3091	3610	92
	60	2179	2602	3056	3574	4172	103
	65	2472	2938	3446	4027	4701	113
	70	2744	3250	3808	4449	5192	122
	75	2996	3539	4143	4838	5645	130
	80	3228	3805	4451	5197	6063	138
55	55	1637	1959	2303	2694	3147	80
	60	1935	2305	2706	3164	3693	91
	65	2222	2636	3091	3612	4216	101
	70	2492	2949	3454	4035	4708	111
	75	2746	3242	3794	4430	5169	119
	80	2983	3514	4110	4798	5597	127
60	60	1711	2034	2386	2789	3256	80
	65	1989	2356	2761	3226	3765	90
	70	2255	2665	3120	3644	4252	100
	75	2508	2957	3460	4040	4714	108
	80	2746	3232	3780	4413	5148	116
65	65	1774	2098	2458	2871	3351	80
	70	2033	2400	2809	3280	3827	89
	75	2282	2689	3145	3672	4284	98
	80	2519	2963	3465	4044	4718	106
70	70	1828	2154	2521	2943	3434	80
	75	2070	2437	2850	3327	3881	89
	80	2304	2709	3166	3696	4311	97
75	75	1874	2203	2576	3007	3507	80
	80	2102	2470	2886	3368	3929	88
80	80	1914	2247	2625	3063	3573	80

ble 36.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 90 square feet.

itial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	350	700	1018	1311	1606	90
	25	853	1406	1857	2281	2729	118
	30	1444	2113	2658	3196	3782	139
	35	2021	2746	3362	3998	4705	155
	40	2535	3290	3965	4684	5496	166
	45	2978	3750	4476	5267	6168	175
	50	3354	4139	4909	5763	6741	182
25	25	666	1086	1429	1753	2096	90
	30	1195	1734	2175	2613	3090	113
	35	1738	2349	2871	3411	4014	131
	40	2242	2898	3489	4121	4834	146
	45	2689	3377	4028	4739	5549	157
	50	3077	3791	4494	5274	6168	166
	55	3412	4147	4896	5737	6705	174
30	30	974	1397	1746	2094	2476	90
	35	1472	1974	2407	2858	3362	110
	40	1954	2513	3021	3566	4183	126
	45	2395	2999	3573	4203	4921	139
	50	2789	3428	4062	4766	5574	150
	55	3135	3805	4491	5261	6148	159
	60	3438	4136	4867	5696	6653	166
35	35	1232	1637	1991	2362	2776	90
	40	1683	2152	2583	3047	3572	107
	45	2110	2632	3133	3683	4311	121
	50	2502	3067	3632	4261	4982	134
	55	2854	3458	4079	4778	5583	144
	60	3168	3805	4477	5239	6119	153
	65	3446	4114	4831	5649	6595	160
40	40	1437	1824	2185	2576	3019	90
	45	1842	2287	2720	3196	3740	105
	50	2225	2720	3218	3774	4412	118
	55	2577	3116	3674	4303	5027	129
	60	2896	3475	4087	4781	5584	139
	65	3184	3798	4458	5212	6085	147
	70	3442	4087	4792	5600	6535	155

ble 36.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 90 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	1597	1973	2343	2752	3220	90
	50	1965	2394	2830	3317	3878	103
	55	2311	2788	3285	3847	4494	115
	60	2631	3152	3705	4334	5062	126
	65	2924	3484	4089	4780	5580	135
	70	3190	3786	4437	5185	6051	143
	75	3431	4059	4753	5551	6478	150
50	50	1725	2094	2473	2898	3387	90
	55	2061	2480	2920	3418	3993	102
	60	2377	2842	3340	3906	4561	113
	65	2671	3179	3729	4359	5088	123
	70	2942	3488	4088	4775	5573	131
	75	3190	3771	4415	5157	6017	139
	80	3417	4030	4715	5505	6422	146
55	55	1829	2195	2582	3022	3530	90
	60	2137	2551	2996	3503	4090	101
	65	2429	2886	3385	3956	4618	111
	70	2701	3199	3748	4379	5110	120
	75	2954	3489	4084	4769	5565	128
	80	3186	3756	4394	5130	5984	136
60	60	1914	2280	2676	3128	3652	90
	65	2200	2610	3060	3576	4174	100
	70	2470	2923	3423	3998	4666	110
	75	2724	3215	3763	4394	5127	118
	80	2961	3488	4080	4763	5556	126
65	65	1985	2352	2757	3221	3759	90
	70	2252	2661	3116	3639	4246	99
	75	2504	2953	3456	4035	4707	108
	80	2742	3228	3775	4407	5141	116
70	70	2046	2415	2827	3301	3852	90
	75	2295	2705	3164	3694	4309	99
	80	2533	2980	3484	4066	4744	107
75	75	2099	2470	2889	3373	3935	90
	80	2333	2743	3206	3742	4365	98
80	80	2144	2519	2944	3436	4008	90

Table 37.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 100 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	388	776	1129	1453	1780	100
	25	915	1512	1999	2457	2939	127
	30	1523	2233	2810	3379	3999	147
	35	2106	2867	3512	4176	4916	162
	40	2622	3406	4106	4851	5692	172
	45	3062	3858	4606	5421	6348	181
	50	3434	4239	5028	5903	6904	187
25	25	733	1201	1582	1942	2322	100
	30	1287	1873	2352	2827	3344	123
	35	1844	2497	3054	3631	4272	140
	40	2353	3046	3669	4334	5084	154
	45	2800	3520	4199	4941	5786	164
	50	3184	3925	4654	5462	6389	172
	55	3513	4272	5045	5911	6908	179
30	30	1070	1544	1933	2320	2743	100
	35	1590	2140	2612	3103	3650	119
	40	2083	2685	3231	3814	4474	135
	45	2528	3170	3779	4445	5204	147
	50	2920	3593	4258	4997	5844	157
	55	3262	3962	4676	5479	6403	166
	60	3558	4283	5041	5899	6890	172
35	35	1355	1810	2204	2616	3076	100
	40	1823	2339	2810	3316	3888	117
	45	2259	2823	3363	3955	4630	131
	50	2653	3257	3858	4526	5293	142
	55	3003	3641	4297	5033	5882	152
	60	3311	3981	4684	5481	6402	160
	65	3583	4280	5026	5877	6862	167
40	40	1582	2018	2420	2854	3346	100
	45	2002	2492	2965	3486	4080	115
	50	2391	2928	3465	4065	4753	127
	55	2743	3321	3917	4588	5361	138
	60	3060	3674	4322	5057	5906	147
	65	3342	3989	4684	5476	6393	155
	70	3594	4270	5006	5850	6828	162

Table 37.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 100 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	1761	2183	2595	3049	3568	100
	50	2140	2613	3090	3624	4237	113
	55	2490	3009	3547	4154	4853	125
	60	2811	3370	3963	4637	5415	135
	65	3100	3697	4339	5073	5922	143
	70	3361	3991	4678	5466	6380	151
	75	3596	4255	4984	5821	6792	157
50	50	1904	2318	2739	3211	3754	100
	55	2248	2711	3194	3739	4368	112
	60	2568	3075	3614	4228	4937	123
	65	2861	3408	4000	4675	5458	132
	70	3129	3712	4351	5083	5933	140
	75	3372	3988	4670	5454	6364	147
	80	3592	4239	4960	5791	6756	154
55	55	2020	2430	2861	3349	3912	100
	60	2335	2792	3280	3836	4479	111
	65	2629	3128	3670	4289	5007	121
	70	2901	3438	4029	4707	5493	129
	75	3150	3723	4359	5090	5940	137
	80	3378	3983	4660	5441	6348	144
60	60	2116	2524	2965	3467	4047	100
	65	2407	2860	3354	3919	4575	110
	70	2679	3173	3717	4342	5067	119
	75	2932	3463	4054	4734	5523	127
	80	3165	3731	4364	5095	5944	135
65	65	2196	2605	3054	3569	4166	100
	70	2466	2918	3417	3992	4658	109
	75	2720	3211	3757	4387	5119	118
	80	2957	3483	4074	4756	5548	126
70	70	2264	2675	3133	3659	4269	100
	75	2517	2968	3473	4055	4731	109
	80	2754	3243	3792	4427	5164	117
75	75	2322	2737	3202	3738	4361	100
	80	2560	3012	3522	4111	4795	108
80	80	2374	2791	3263	3808	4442	100

Table 38.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 110 square feet

Initial age (Years)	Final age (Years)	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	426	851	1239	1595	1953	110
	25	975	1614	2136	2626	3141	136
	30	1597	2345	2952	3552	4204	155
	35	2186	2979	3650	4341	5110	168
	40	2702	3512	4235	5004	5872	178
	45	3139	3957	4724	5560	6512	185
	50	3505	4329	5136	6029	7052	191
25	25	800	1315	1735	2130	2548	110
	30	1375	2008	2524	3034	3590	132
	35	1944	2638	3229	3838	4517	148
	40	2457	3185	3837	4533	5318	161
	45	2902	3651	4357	5127	6004	171
	50	3282	4048	4800	5634	6590	178
	55	3605	4386	5179	6069	7093	184
30	30	1166	1690	2119	2545	3010	110
	35	1704	2301	2811	3340	3930	129
	40	2206	2850	3430	4051	4752	143
	45	2653	3330	3972	4672	5471	155
	50	3042	3746	4441	5212	6095	164
	55	3378	4106	4847	5679	6637	172
	60	3669	4417	5200	6085	7108	178
35	35	1477	1982	2417	2870	3376	110
	40	1960	2522	3032	3578	4197	126
	45	2402	3007	3584	4215	4935	139
	50	2795	3436	4071	4777	5587	150
	55	3141	3813	4500	5272	6161	159
	60	3444	4143	4876	5706	6665	167
	65	3709	4432	5206	6088	7108	173
40	40	1727	2210	2654	3131	3671	110
	45	2157	2692	3205	3769	4412	124
	50	2550	3128	3703	4345	5081	136
	55	2901	3516	4148	4859	5678	147
	60	3213	3861	4543	5316	6209	155
	65	3490	4167	4894	5722	6680	162
	70	3734	4438	5205	6082	7099	168

Table 38.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 110 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	1924	2393	2846	3345	3915	110
	50	2311	2827	3346	3924	4588	123
	55	2663	3223	3800	4451	5200	134
	60	2981	3578	4209	4925	5751	143
	65	3266	3897	4576	5350	6245	151
	70	3521	4182	4904	5730	6688	158
	75	3749	4438	5198	6071	7084	164
50	50	2082	2541	3005	3523	4119	110
	55	2432	2937	3462	4054	4736	122
	60	2752	3299	3879	4538	5300	132
	65	3043	3628	4258	4978	5811	141
	70	3306	3924	4601	5375	6274	148
	75	3543	4192	4909	5734	6691	155
	80	3756	4433	5188	6058	7067	161
55	55	2211	2664	3139	3675	4293	110
	60	2530	3028	3559	4163	4862	121
	65	2824	3363	3946	4613	5384	130
	70	3092	3668	4299	5022	5862	138
	75	3336	3945	4620	5396	6296	146
	80	3558	4198	4912	5734	6690	152
60	60	2316	2769	3253	3804	4442	110
	65	2610	3105	3643	4258	4970	120
	70	2882	3416	4002	4676	5457	129
	75	3131	3701	4333	5060	5904	136
	80	3360	3962	4635	5412	6313	143
65	65	2405	2858	3351	3917	4572	110
	70	2677	3171	3715	4339	5064	119
	75	2930	3461	4051	4731	5520	127
	80	3163	3729	4362	5092	5941	135
70	70	2481	2935	3437	4015	4685	110
	75	2734	3228	3777	4411	5146	118
	80	2971	3500	4094	4779	5575	126
75	75	2545	3002	3513	4102	4786	110
	80	2783	3277	3833	4474	5219	118
80	80	2602	3062	3581	4179	4875	110

Table 39.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 120 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	464	927	1349	1736	2127	120
	25	1033	1713	2267	2788	3336	145
	30	1666	2451	3087	3715	4397	162
	35	2260	3083	3779	4495	5291	174
	40	2775	3610	4354	5145	6037	183
	45	3208	4047	4832	5688	6661	190
	50	3571	4411	5234	6144	7187	195
25	25	866	1428	1887	2318	2773	120
	30	1461	2139	2690	3235	3828	141
	35	2039	2772	3394	4036	4750	156
	40	2554	3315	3995	4720	5538	168
	45	2996	3773	4504	5300	6207	176
	50	3372	4161	4935	5793	6776	183
	55	3689	4490	5303	6214	7263	189
30	30	1262	1836	2304	2769	3276	120
	35	1816	2458	3005	3572	4203	138
	40	2324	3007	3621	4277	5018	152
	45	2770	3482	4154	4887	5723	162
	50	3156	3889	4611	5412	6330	171
	55	3486	4239	5006	5865	6855	178
	60	3770	4541	5346	6257	7308	183
35	35	1599	2154	2629	3123	3674	120
	40	2094	2700	3248	3835	4498	135
	45	2539	3184	3796	4465	5228	148
	50	2931	3606	4274	5016	5866	158
	55	3272	3974	4691	5496	6423	166
	60	3568	4294	5055	5916	6910	173
	65	3826	4574	5373	6283	7336	179
40	40	1871	2403	2887	3408	3996	120
	45	2309	2888	3440	4046	4737	134
	50	2703	3320	3933	4615	5397	145
	55	3052	3702	4369	5118	5980	155
	60	3358	4038	4752	5561	6495	162
	65	3628	4334	5090	5952	6949	169
	70	3865	4595	5389	6298	7351	174

Table 39.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 120 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	2087	2602	3097	3641	4262	120
	50	2478	3038	3596	4219	4933	132
	55	2830	3429	4045	4738	5536	143
	60	3145	3778	4444	5200	6073	152
	65	3424	4088	4800	5612	6552	159
	70	3671	4363	5116	5979	6978	165
	75	3891	4608	5398	6305	7358	171
50	50	2260	2764	3270	3835	4484	120
	55	2612	3160	3725	4363	5098	131
	60	2931	3517	4137	4840	5652	141
	65	3218	3838	4506	5269	6151	149
	70	3474	4126	4838	5653	6598	156
	75	3704	4384	5135	5998	6999	162
	80	3910	4616	5402	6308	7359	168
55	55	2400	2898	3416	4000	4673	120
	60	2721	3261	3834	4485	5238	130
	65	3012	3590	4214	4927	5751	139
	70	3276	3888	4558	5326	6216	147
	75	3514	4158	4869	5687	6636	154
	80	3729	4401	5150	6013	7015	160
60	60	2516	3012	3540	4141	4836	120
	65	2810	3347	3927	4590	5359	129
	70	3079	3652	4280	5001	5837	138
	75	3324	3930	4602	5375	6272	145
	80	3546	4183	4895	5715	6667	152
65	65	2614	3109	3648	4264	4977	120
	70	2885	3420	4007	4682	5464	129
	75	3135	3705	4338	5066	5911	137
	80	3363	3966	4640	5417	6320	143
70	70	2697	3194	3742	4371	5101	120
	75	2949	3483	4078	4762	5556	128
	80	3182	3751	4388	5122	5976	135
75	75	2768	3267	3824	4466	5210	120
	80	3004	3539	4140	4833	5638	128
80	80	2830	3333	3898	4550	5308	120

Table 40.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) a
projected total basal area (BT2) for natural even-aged stands of lo
leaf pine in the East Gulf,initial basal area (BT1) = 130 square fe

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projecte basal ar (sq. ft
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	501	1002	1458	1877	2300	130
	25	1089	1808	2395	2946	3525	154
	30	1732	2551	3215	3869	4581	169
	35	2329	3180	3899	4639	5461	180
	40	2843	3700	4464	5276	6191	188
	45	3273	4130	4932	5805	6799	194
	50	3630	4487	5323	6250	7311	198
25	25	933	1542	2039	2506	2998	130
	30	1544	2265	2851	3430	4059	150
	35	2130	2900	3552	4225	4973	164
	40	2646	3437	4144	4896	5745	174
	45	3085	3887	4641	5462	6397	182
	50	3455	4266	5060	5940	6948	188
	55	3767	4586	5417	6348	7419	193
30	30	1358	1981	2490	2993	3541	130
	35	1924	2611	3195	3798	4469	147
	40	2437	3158	3805	4494	5273	159
	45	2882	3626	4326	5091	5962	169
	50	3263	4024	4772	5601	6551	177
	55	3587	4364	5153	6039	7057	183
	60	3864	4656	5482	6416	7494	188
35	35	1721	2325	2841	3376	3972	130
	40	2224	2874	3460	4086	4793	145
	45	2671	3354	4000	4706	5510	156
	50	3060	3768	4467	5243	6132	165
	55	3395	4127	4872	5708	6671	173
	60	3685	4436	5223	6112	7139	179
	65	3935	4706	5528	6465	7548	184
40	40	2015	2595	3120	3684	4320	130
	45	2458	3080	3671	4318	5055	143
	50	2851	3507	4155	4876	5702	154
	55	3195	3880	4579	5365	6269	162
	60	3496	4206	4950	5793	6766	169
	65	3758	4491	5276	6169	7202	175
	70	3987	4742	5562	6500	7586	180

Table 40.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 130 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	2249	2810	3347	3936	4608	130
	50	2642	3244	3842	4508	5272	142
	55	2992	3629	4282	5016	5861	151
	60	3301	3969	4670	5465	6383	159
	65	3573	4269	5013	5862	6844	166
	70	3813	4534	5317	6213	7252	172
	75	4026	4769	5586	6525	7614	177
50	50	2437	2986	3535	4146	4848	130
	55	2789	3378	3985	4667	5454	141
	60	3105	3729	4387	5133	5995	150
	65	3385	4041	4745	5548	6477	157
	70	3635	4319	5065	5918	6908	164
	75	3857	4567	5350	6249	7291	169
	80	4055	4788	5604	6544	7635	174
55	55	2590	3132	3692	4324	5053	130
	60	2909	3490	4105	4802	5608	140
	65	3196	3812	4476	5233	6109	148
	70	3453	4101	4809	5619	6558	155
	75	3684	4361	5107	5966	6961	161
	80	3891	4594	5376	6277	7324	167
60	60	2716	3255	3827	4477	5228	130
	65	3008	3585	4208	4919	5742	139
	70	3271	3883	4552	5318	6207	147
	75	3509	4152	4863	5679	6627	154
	80	3724	4396	5144	6006	7007	159
65	65	2822	3361	3944	4610	5381	130
	70	3090	3666	4296	5020	5858	138
	75	3335	3943	4618	5393	6293	146
	80	3556	4196	4909	5732	6687	152
70	70	2912	3452	4045	4726	5515	130
	75	3161	3736	4374	5109	5961	138
	80	3388	3996	4675	5458	6368	145
75	75	2990	3532	4135	4828	5634	130
	80	3222	3798	4443	5187	6051	137
80	80	3057	3603	4214	4919	5739	130

Table 41.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	539	1077	1568	2018	2472	140
	25	1143	1901	2518	3098	3708	162
	30	1795	2647	3337	4017	4755	176
	35	2394	3272	4012	4774	5620	186
	40	2906	3785	4567	5397	6334	192
	45	3332	4206	5024	5914	6927	197
	50	3686	4556	5406	6347	7425	201
25	25	999	1655	2190	2693	3222	140
	30	1626	2389	3009	3620	4285	158
	35	2217	3022	3704	4406	5186	171
	40	2732	3553	4285	5063	5941	180
	45	3168	3994	4770	5614	6574	187
	50	3533	4364	5177	6078	7109	192
	55	3839	4675	5523	6472	7564	197
30	30	1453	2127	2675	3216	3806	140
	35	2030	2760	3379	4018	4729	155
	40	2545	3303	3981	4703	5519	167
	45	2988	3762	4491	5285	6189	176
	50	3364	4151	4923	5779	6760	183
	55	3682	4481	5292	6201	7248	188
	60	3952	4763	5609	6565	7668	192
35	35	1843	2496	3053	3628	4269	140
	40	2352	3045	3667	4332	5082	154
	45	2799	3518	4197	4939	5783	164
	50	3183	3923	4652	5460	6386	172
	55	3512	4271	5043	5909	6906	179
	60	3794	4570	5381	6297	7356	184
	65	4037	4829	5674	6635	7747	189
40	40	2158	2786	3353	3959	4644	140
	45	2605	3268	3897	4584	5368	152
	50	2995	3687	4370	5129	5998	162
	55	3333	4050	4781	5602	6547	170
	60	3626	4365	5139	6014	7024	176
	65	3880	4640	5451	6374	7442	181
	70	4102	4880	5724	6690	7808	186

Table 41.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	2411	3018	3597	4230	4953	140
	50	2804	3447	4084	4792	5605	151
	55	3150	3823	4512	5286	6177	160
	60	3452	4153	4887	5719	6680	167
	65	3716	4441	5217	6100	7122	173
	70	3948	4695	5507	6436	7512	178
	75	4152	4920	5764	6733	7857	183
50	50	2613	3207	3799	4457	5212	140
	55	2964	3594	4240	4967	5804	150
	60	3274	3935	4630	5418	6328	158
	65	3547	4237	4976	5818	6792	165
	70	3789	4504	5282	6172	7204	171
	75	4002	4741	5553	6487	7570	176
	80	4192	4951	5795	6767	7896	180
55	55	2778	3365	3969	4648	5431	140
	60	3094	3716	4371	5115	5974	149
	65	3375	4029	4731	5531	6457	157
	70	3625	4307	5051	5902	6889	163
	75	3847	4556	5336	6233	7274	169
	80	4046	4778	5592	6530	7618	174
60	60	2915	3498	4114	4813	5620	140
	65	3202	3819	4484	5242	6120	148
	70	3459	4108	4817	5628	6569	155
	75	3690	4367	5115	5974	6972	162
	80	3896	4600	5383	6286	7333	167
65	65	3030	3611	4239	4955	5785	140
	70	3293	3909	4582	5354	6248	148
	75	3530	4177	4891	5713	6666	154
	80	3744	4419	5171	6038	7044	160
70	70	3127	3710	4348	5080	5929	140
	75	3370	3986	4667	5451	6361	147
	80	3591	4236	4957	5788	6752	154
75	75	3211	3796	4444	5190	6056	140
	80	3437	4054	4743	5537	6460	147
80	80	3284	3872	4530	5288	6170	140

Table 42.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
20	20	576	1152	1677	2159	2645	150
	25	1196	1990	2638	3246	3885	170
	30	1855	2738	3453	4157	4922	182
	35	2455	3358	4119	4902	5771	191
	40	2965	3864	4663	5511	6468	197
	45	3388	4278	5110	6016	7046	201
	50	3737	4620	5483	6438	7530	204
25	25	1066	1768	2342	2880	3446	150
	30	1705	2509	3162	3805	4504	166
	35	2300	3140	3849	4579	5390	178
	40	2815	3663	4418	5221	6127	186
	45	3246	4095	4891	5757	6742	192
	50	3606	4455	5286	6206	7260	197
	55	3906	4758	5621	6588	7699	200
30	30	1549	2272	2859	3440	4071	150
	35	2134	2906	3560	4234	4984	164
	40	2650	3443	4151	4905	5755	174
	45	3089	3893	4648	5470	6406	182
	50	3459	4271	5066	5948	6957	188
	55	3770	4591	5422	6354	7427	193
	60	4034	4863	5727	6704	7830	197
35	35	1964	2666	3264	3880	4566	150
	40	2477	3212	3871	4573	5365	162
	45	2922	3677	4388	5164	6047	172
	50	3301	4072	4829	5668	6630	179
	55	3623	4408	5206	6100	7129	185
	60	3897	4696	5530	6472	7560	190
	65	4133	4945	5811	6795	7934	194
40	40	2301	2977	3585	4234	4967	150
	45	2748	3453	4119	4846	5675	161
	50	3134	3862	4579	5374	6286	170
	55	3466	4214	4976	5830	6813	177
	60	3751	4518	5319	6225	7271	182
	65	3997	4781	5617	6568	7669	187
	70	4210	5010	5877	6869	8018	191

Table 42.--Current and projected merchantable cubic foot volumes,i.b.,(VIM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf,initial basal area (BT1) = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VIM (cubic feet,i.b.,/acre)					BT2
45	45	2572	3226	3846	4524	5297	150
	50	2963	3647	4322	5072	5932	160
	55	3303	4012	4736	5549	6485	168
	60	3597	4330	5097	5965	6967	174
	65	3853	4607	5412	6328	7389	180
	70	4076	4849	5688	6648	7759	184
	75	4272	5063	5932	6929	8086	188
50	50	2789	3429	4062	4767	5574	150
	55	3135	3806	4491	5262	6149	159
	60	3438	4136	4868	5697	6653	166
	65	3704	4426	5199	6079	7097	173
	70	3936	4681	5490	6416	7489	178
	75	4141	4906	5748	6714	7835	182
	80	4322	5106	5977	6979	8143	186
55	55	2967	3597	4244	4972	5810	150
	60	3277	3939	4634	5423	6334	158
	65	3550	4240	4980	5823	6798	165
	70	3791	4507	5285	6176	7209	171
	75	4005	4744	5557	6491	7574	176
	80	4194	4954	5799	6771	7900	180
60	60	3113	3740	4399	5148	6012	150
	65	3394	4051	4757	5562	6494	158
	70	3643	4329	5076	5931	6923	164
	75	3864	4576	5360	6261	7306	170
	80	4062	4797	5614	6556	7649	174
65	65	3237	3861	4534	5300	6188	150
	70	3492	4148	4864	5683	6633	157
	75	3721	4405	5160	6027	7032	163
	80	3926	4636	5425	6335	7391	168
70	70	3341	3967	4651	5434	6342	150
	75	3577	4233	4957	5790	6756	157
	80	3789	4472	5233	6111	7129	162
75	75	3432	4059	4754	5552	6478	150
	80	3650	4307	5040	5884	6865	156
80	80	3510	4141	4845	5657	6600	150

Table 43.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of long leaf pine in the East Gulf, initial basal area (BT1) = 20 square fee

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	120	233	332	419	503	20
	25	437	662	836	998	1165	37
	30	892	1218	1477	1731	2003	56
	35	1421	1832	2178	2530	2915	74
	40	1968	2451	2879	3328	3825	91
	45	2497	3041	3545	4085	4688	106
	50	2990	3585	4159	4782	5482	119
25	25	266	375	463	546	635	20
	30	575	750	897	1045	1206	33
	35	965	1211	1428	1654	1903	48
	40	1404	1720	2011	2320	2664	63
	45	1861	2242	2606	2999	3440	78
	50	2312	2752	3187	3662	4197	91
	55	2743	3238	3738	4290	4914	103
30	30	376	465	546	632	727	20
	35	654	795	928	1071	1230	31
	40	990	1189	1382	1591	1826	43
	45	1364	1622	1879	2160	2476	56
	50	1754	2071	2393	2747	3147	68
	55	2146	2519	2903	3330	3814	80
	60	2528	2952	3398	3895	4459	91
35	35	443	523	605	695	797	20
	40	696	819	946	1086	1245	29
	45	991	1164	1343	1541	1765	40
	50	1316	1540	1775	2036	2331	50
	55	1657	1933	2224	2550	2919	61
	60	2003	2329	2677	3068	3511	72
	65	2344	2719	3122	3576	4092	81
40	40	487	564	649	743	851	20
	45	718	832	957	1097	1255	28
	50	982	1139	1309	1500	1717	37
	55	1270	1472	1691	1937	2217	46
	60	1572	1820	2090	2393	2739	56
	65	1880	2174	2495	2856	3268	65
	70	2188	2526	2897	3316	3794	74

Table 43.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 20 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	518	596	683	782	895	20
	50	730	841	964	1104	1263	27
	55	969	1117	1281	1466	1677	35
	60	1228	1415	1623	1857	2125	43
	65	1499	1727	1980	2267	2593	52
	70	1777	2046	2345	2684	3070	60
	75	2055	2366	2711	3102	3548	68
50	50	542	622	712	814	931	20
	55	738	847	970	1109	1269	26
	60	955	1097	1257	1438	1645	33
	65	1190	1367	1566	1792	2049	41
	70	1436	1650	1890	2162	2473	48
	75	1688	1940	2221	2541	2906	56
	80	1943	2232	2555	2923	3343	63
55	55	561	643	735	841	962	20
	60	743	851	974	1114	1273	26
	65	943	1081	1237	1415	1617	32
	70	1157	1327	1519	1737	1986	39
	75	1382	1585	1814	2075	2372	45
	80	1613	1850	2117	2422	2769	52
60	60	577	661	756	864	988	20
	65	746	854	977	1117	1277	25
	70	931	1066	1219	1394	1594	31
	75	1128	1292	1479	1691	1933	37
	80	1335	1529	1750	2001	2288	43
65	65	591	676	773	884	1010	20
	70	749	857	980	1120	1280	25
	75	920	1053	1205	1377	1575	30
	80	1103	1263	1444	1651	1888	36
70	70	603	689	788	901	1030	20
	75	751	859	982	1122	1283	25
	80	911	1042	1192	1362	1557	29
75	75	613	701	801	916	1047	20
	80	752	860	984	1125	1286	24
80	80	622	711	813	930	1063	20

Table 44.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 30 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	178	349	497	627	753	30
	25	580	899	1147	1374	1606	51
	30	1127	1567	1912	2245	2600	73
	35	1732	2260	2695	3135	3614	92
	40	2330	2923	3441	3980	4576	109
	45	2887	3531	4122	4752	5454	123
	50	3388	4075	4731	5442	6239	135
25	25	367	544	683	812	947	30
	30	768	1033	1248	1460	1688	47
	35	1247	1595	1891	2195	2528	64
	40	1758	2179	2556	2952	3392	81
	45	2266	2750	3203	3689	4233	96
	50	2748	3287	3810	4381	5022	109
	55	3194	3781	4369	5017	5747	121
30	30	526	679	809	941	1085	30
	35	890	1110	1306	1512	1739	44
	40	1307	1595	1862	2147	2466	58
	45	1746	2099	2438	2805	3217	73
	50	2186	2598	3007	3455	3959	86
	55	2611	3078	3552	4077	4669	98
	60	3011	3528	4064	4660	5335	109
35	35	635	770	899	1036	1190	30
	40	964	1157	1343	1546	1774	42
	45	1332	1583	1833	2106	2414	54
	50	1717	2026	2340	2687	3078	67
	55	2105	2470	2847	3265	3739	78
	60	2485	2901	3339	3827	4381	89
	65	2848	3313	3808	4363	4993	100
40	40	710	836	966	1110	1272	30
	45	1010	1186	1369	1571	1799	40
	50	1338	1567	1805	2071	2372	51
	55	1682	1963	2259	2590	2965	62
	60	2030	2361	2714	3110	3560	73
	65	2372	2752	3161	3621	4143	83
	70	2704	3130	3593	4114	4706	92

Table 44.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 30 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	763	887	1020	1169	1339	30
	50	1038	1206	1387	1589	1819	39
	55	1336	1550	1782	2041	2336	49
	60	1647	1908	2191	2510	2872	58
	65	1961	2269	2604	2982	3412	68
	70	2274	2626	3013	3449	3945	77
	75	2578	2974	3410	3903	4465	86
50	50	803	927	1064	1218	1393	30
	55	1057	1221	1400	1603	1835	38
	60	1330	1535	1761	2016	2306	47
	65	1613	1861	2134	2442	2794	56
	70	1901	2191	2511	2874	3288	64
	75	2187	2519	2887	3304	3778	73
	80	2468	2841	3255	3724	4259	81
55	55	835	960	1100	1258	1439	30
	60	1071	1232	1411	1615	1847	38
	65	1322	1521	1742	1994	2280	45
	70	1582	1820	2085	2386	2728	53
	75	1847	2124	2432	2783	3183	61
	80	2111	2427	2779	3180	3636	69
60	60	861	987	1130	1293	1479	30
	65	1080	1240	1420	1625	1858	37
	70	1313	1508	1726	1975	2258	44
	75	1554	1784	2043	2337	2672	51
	80	1799	2065	2364	2705	3093	58
65	65	882	1011	1157	1323	1513	30
	70	1088	1247	1427	1633	1867	36
	75	1305	1496	1712	1958	2239	43
	80	1529	1753	2006	2295	2624	50
70	70	901	1031	1180	1349	1542	30
	75	1094	1253	1434	1639	1874	36
	80	1297	1486	1700	1944	2223	42
75	75	917	1049	1200	1372	1569	30
	80	1099	1258	1439	1645	1881	35
80	80	931	1065	1218	1392	1592	30

Table 45.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 40 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	237	464	662	835	1003	40
	25	709	1115	1430	1716	2008	64
	30	1326	1862	2280	2681	3107	87
	35	1982	2603	3112	3622	4177	106
	40	2609	3288	3875	4484	5156	123
	45	3177	3898	4554	5251	6028	136
	50	3679	4432	5149	5923	6792	147
25	25	467	712	902	1077	1258	40
	30	944	1294	1572	1843	2133	59
	35	1490	1928	2294	2665	3071	78
	40	2050	2559	3007	3477	3996	95
	45	2587	3154	3678	4239	4865	110
	50	3083	3699	4292	4936	5659	123
	55	3532	4190	4845	5564	6374	134
30	30	670	889	1069	1249	1443	40
	35	1107	1403	1660	1924	2215	56
	40	1584	1953	2287	2640	3033	72
	45	2069	2502	2912	3353	3846	87
	50	2537	3029	3509	4033	4623	100
	55	2978	3521	4067	4668	5348	112
	60	3384	3973	4579	5252	6013	123
35	35	818	1014	1190	1376	1582	40
	40	1212	1473	1718	1980	2273	54
	45	1634	1958	2273	2615	2998	68
	50	2061	2445	2828	3249	3723	81
	55	2477	2917	3366	3862	4423	93
	60	2874	3364	3875	4443	5086	104
	65	3245	3782	4350	4984	5705	114
40	40	924	1105	1282	1476	1692	40
	45	1281	1520	1759	2021	2316	52
	50	1658	1955	2257	2590	2967	64
	55	2041	2392	2756	3162	3620	76
	60	2416	2819	3244	3719	4257	87
	65	2777	3229	3711	4252	4866	97
	70	3118	3616	4152	4755	5441	106

Table 45.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 40 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	1000	1174	1355	1555	1781	40
	50	1327	1553	1789	2052	2350	51
	55	1669	1947	2241	2569	2941	62
	60	2016	2344	2695	3088	3534	72
	65	2357	2735	3141	3597	4116	82
	70	2688	3112	3571	4089	4678	91
	75	3005	3472	3982	4558	5214	100
50	50	1058	1230	1414	1620	1855	40
	55	1359	1578	1813	2077	2377	50
	60	1672	1938	2226	2550	2918	59
	65	1989	2302	2642	3025	3461	69
	70	2303	2661	3052	3494	3997	78
	75	2609	3010	3451	3950	4518	87
	80	2903	3346	3835	4388	5019	95
55	55	1103	1275	1463	1675	1916	40
	60	1382	1597	1832	2097	2399	49
	65	1671	1929	2213	2533	2897	58
	70	1964	2264	2596	2971	3399	66
	75	2254	2597	2976	3406	3895	75
	80	2538	2921	3347	3830	4380	83
60	60	1140	1312	1504	1722	1969	40
	65	1400	1612	1847	2114	2418	48
	70	1668	1920	2200	2518	2880	56
	75	1940	2231	2556	2925	3345	64
	80	2209	2540	2910	3329	3807	72
65	65	1170	1344	1540	1762	2015	40
	70	1414	1624	1860	2128	2434	47
	75	1664	1912	2189	2505	2864	55
	80	1917	2202	2521	2884	3298	62
70	70	1196	1372	1571	1796	2054	40
	75	1425	1635	1871	2141	2448	47
	80	1660	1904	2180	2493	2851	54
75	75	1218	1396	1598	1827	2089	40
	80	1434	1644	1881	2151	2460	46
80	80	1238	1418	1622	1854	2120	40

Table 46.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of long leaf pine in the East Gulf, initial basal area (BT1) = 50 square fee

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	296	580	827	1043	1253	50
	25	828	1315	1692	2033	2381	76
	30	1500	2122	2604	3065	3553	99
	35	2193	2893	3463	4033	4651	119
	40	2838	3586	4230	4897	5632	134
	45	3410	4192	4900	5651	6488	147
	50	3908	4714	5478	6303	7228	157
25	25	567	879	1121	1341	1569	50
	30	1108	1538	1876	2203	2551	71
	35	1707	2226	2654	3087	3558	91
	40	2302	2886	3397	3929	4517	107
	45	2857	3493	4077	4700	5395	122
	50	3358	4037	4687	5391	6181	134
	55	3804	4519	5227	6004	6879	144
30	30	812	1098	1329	1556	1799	50
	35	1309	1680	1994	2315	2666	68
	40	1834	2277	2673	3088	3549	84
	45	2350	2856	3327	3833	4399	99
	50	2837	3396	3938	4528	5190	113
	55	3284	3890	4496	5163	5914	124
	60	3689	4337	5001	5736	6568	134
35	35	998	1255	1481	1716	1974	50
	40	1446	1774	2075	2394	2749	65
	45	1909	2302	2677	3082	3535	80
	50	2365	2817	3263	3749	4297	93
	55	2799	3305	3816	4380	5017	105
	60	3203	3757	4329	4965	5684	116
	65	3575	4173	4800	5502	6297	126
40	40	1133	1371	1597	1840	2112	50
	45	1538	1839	2133	2453	2812	63
	50	1953	2313	2675	3072	3520	76
	55	2362	2778	3204	3676	4210	88
	60	2754	3222	3709	4253	4869	99
	65	3123	3638	4184	4794	5487	109
	70	3467	4026	4625	5297	6061	119

Table 46.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 50 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	1232	1460	1689	1940	2223	50
	50	1602	1886	2177	2498	2862	62
	55	1978	2317	2669	3062	3505	73
	60	2349	2740	3153	3614	4136	84
	65	2707	3147	3617	4144	4742	94
	70	3048	3534	4057	4646	5316	104
	75	3368	3896	4470	5118	5855	113
50	50	1308	1530	1763	2022	2316	50
	55	1648	1922	2211	2535	2902	61
	60	1992	2317	2663	3051	3492	71
	65	2333	2706	3107	3559	4072	81
	70	2663	3082	3537	4050	4633	91
	75	2978	3441	3947	4518	5168	99
	80	3278	3781	4335	4961	5675	107
55	55	1368	1588	1825	2091	2393	50
	60	1682	1950	2239	2565	2935	60
	65	2000	2314	2656	3042	3480	69
	70	2314	2674	3067	3512	4017	78
	75	2620	3023	3467	3968	4539	87
	80	2915	3359	3850	4406	5039	95
60	60	1416	1636	1877	2149	2459	50
	65	1708	1972	2262	2590	2963	59
	70	2003	2311	2650	3033	3469	68
	75	2296	2645	3032	3470	3969	76
	80	2581	2972	3405	3896	4456	84
65	65	1455	1677	1922	2199	2516	50
	70	1729	1991	2282	2611	2986	58
	75	2005	2307	2643	3024	3459	66
	80	2278	2620	3001	3433	3926	74
70	70	1489	1712	1961	2243	2566	50
	75	1746	2007	2298	2629	3007	58
	80	2004	2303	2637	3017	3450	65
75	75	1518	1742	1995	2282	2609	50
	80	1760	2020	2313	2645	3025	57
80	80	1543	1769	2025	2316	2648	50

Table 47.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 60 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	355	695	991	1251	1502	60
	25	940	1503	1938	2330	2731	87
	30	1657	2354	2894	3408	3953	111
	35	2375	3145	3768	4390	5064	129
	40	3031	3840	4532	5248	6036	144
	45	3604	4437	5188	5985	6871	155
	50	4096	4946	5749	6615	7586	165
25	25	667	1046	1339	1606	1879	60
	30	1264	1769	2164	2544	2948	82
	35	1905	2497	2983	3471	4002	102
	40	2524	3176	3742	4330	4978	118
	45	3089	3786	4422	5099	5853	132
	50	3591	4324	5023	5778	6625	144
	55	4032	4795	5548	6372	7301	153
30	30	953	1307	1588	1862	2155	60
	35	1502	1944	2313	2688	3098	79
	40	2064	2577	3029	3502	4025	96
	45	2602	3173	3701	4265	4895	111
	50	3099	3718	4315	4962	5689	123
	55	3548	4209	4867	5589	6403	134
	60	3948	4647	5359	6148	7040	144
35	35	1174	1496	1771	2055	2366	60
	40	1669	2063	2417	2792	3207	76
	45	2165	2623	3054	3517	4035	91
	50	2640	3155	3657	4204	4818	104
	55	3084	3649	4216	4840	5544	116
	60	3490	4100	4726	5421	6207	127
	65	3859	4509	5188	5947	6807	136
40	40	1339	1636	1911	2204	2531	60
	45	1784	2146	2494	2870	3291	74
	50	2228	2650	3067	3524	4038	87
	55	2655	3131	3614	4148	4751	100
	60	3057	3582	4127	4732	5418	111
	65	3429	4000	4601	5273	6035	120
	70	3771	4383	5035	5768	6600	129

Table 47.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 60 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	1462	1744	2022	2325	2665	60
	50	1867	2208	2552	2931	3358	73
	55	2268	2666	3074	3527	4039	85
	60	2656	3105	3575	4099	4692	96
	65	3024	3521	4048	4639	5309	106
	70	3368	3909	4490	5143	5884	115
	75	3687	4269	4899	5609	6417	123
50	50	1556	1830	2112	2424	2776	60
	55	1927	2256	2598	2980	3412	71
	60	2294	2675	3077	3527	4037	82
	65	2650	3080	3539	4055	4640	92
	70	2990	3465	3979	4556	5213	102
	75	3310	3828	4392	5028	5752	111
	80	3609	4167	4778	5469	6255	118
55	55	1630	1900	2186	2506	2869	60
	60	1972	2293	2636	3020	3456	70
	65	2311	2681	3079	3526	4035	80
	70	2641	3056	3507	4016	4594	90
	75	2956	3415	3917	4484	5129	99
	80	3255	3755	4305	4927	5635	107
60	60	1690	1959	2249	2576	2948	60
	65	2008	2324	2667	3054	3494	70
	70	2323	2684	3079	3525	4032	79
	75	2629	3034	3478	3981	4554	87
	80	2924	3370	3862	4420	5055	96
65	65	1739	2008	2303	2637	3017	60
	70	2036	2349	2693	3083	3527	69
	75	2330	2686	3078	3523	4029	77
	80	2617	3013	3453	3951	4518	85
70	70	1780	2051	2350	2690	3076	60
	75	2059	2371	2716	3108	3555	68
	80	2335	2686	3077	3521	4026	76
75	75	1816	2088	2391	2736	3129	60
	80	2079	2389	2736	3130	3579	68
80	80	1847	2120	2428	2777	3175	60

Table 48.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 70 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	414	810	1156	1458	1752	70
	25	1047	1680	2170	2612	3062	98
	30	1799	2567	3159	3722	4317	121
	35	2538	3369	4039	4707	5431	139
	40	3200	4061	4795	5553	6388	152
	45	3771	4647	5436	6272	7201	163
	50	4256	5143	5979	6881	7891	171
25	25	767	1212	1557	1870	2189	70
	30	1412	1990	2439	2870	3327	93
	35	2087	2747	3286	3826	4412	112
	40	2723	3437	4052	4690	5394	128
	45	3294	4045	4727	5452	6259	142
	50	3794	4574	5315	6115	7012	152
	55	4228	5032	5823	6689	7665	161
30	30	1092	1515	1847	2168	2511	70
	35	1687	2198	2620	3047	3512	89
	40	2278	2856	3361	3887	4469	106
	45	2832	3462	4041	4658	5346	121
	50	3333	4007	4651	5350	6134	133
	55	3780	4490	5193	5964	6833	143
	60	4174	4916	5671	6507	7451	152
35	35	1350	1735	2061	2393	2757	70
	40	1883	2341	2748	3176	3650	87
	45	2404	2924	3408	3926	4505	102
	50	2893	3466	4019	4622	5298	115
	55	3341	3960	4577	5255	6020	126
	60	3746	4405	5079	5826	6672	136
	65	4108	4804	5529	6338	7255	145
40	40	1544	1900	2225	2568	2950	70
	45	2022	2444	2843	3274	3756	85
	50	2488	2968	3438	3951	4529	98
	55	2926	3458	3994	4585	5252	110
	60	3332	3911	4507	5169	5919	121
	65	3703	4324	4975	5702	6527	130
	70	4040	4699	5400	6186	7079	139

Table 48.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 70 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	1690	2028	2355	2709	3107	70
	50	2123	2521	2917	3351	3840	83
	55	2544	2997	3459	3969	4546	95
	60	2942	3446	3969	4551	5211	106
	65	3314	3864	4444	5093	5829	116
	70	3657	4249	4882	5592	6398	125
	75	3972	4602	5283	6049	6920	133
50	50	1802	2129	2460	2825	3236	70
	55	2198	2581	2976	3413	3909	82
	60	2582	3017	3473	3981	4558	93
	65	2948	3431	3945	4520	5173	103
	70	3292	3820	4387	5024	5749	112
	75	3611	4180	4797	5493	6284	121
	80	3907	4514	5177	5926	6779	128
55	55	1890	2212	2547	2921	3345	70
	60	2255	2628	3023	3465	3966	81
	65	2609	3032	3484	3991	4567	91
	70	2948	3416	3922	4491	5139	100
	75	3268	3779	4335	4963	5678	109
	80	3567	4118	4722	5405	6182	117
60	60	1962	2281	2621	3003	3437	70
	65	2300	2667	3063	3509	4015	80
	70	2629	3042	3491	3998	4574	89
	75	2944	3401	3901	4465	5108	98
	80	3243	3741	4289	4908	5614	106
65	65	2021	2339	2685	3074	3517	70
	70	2336	2700	3097	3546	4056	79
	75	2643	3050	3497	4003	4579	88
	80	2938	3387	3881	4442	5080	96
70	70	2070	2389	2739	3136	3587	70
	75	2366	2727	3126	3578	4092	79
	80	2654	3056	3502	4007	4583	87
75	75	2113	2433	2788	3190	3648	70
	80	2391	2751	3152	3606	4124	78
80	80	2149	2471	2830	3238	3703	70

Table 49.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 80 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	472	925	1320	1666	2001	80
	25	1148	1849	2392	2880	3377	108
	30	1930	2762	3403	4011	4653	130
	35	2684	3570	4283	4993	5761	147
	40	3350	4256	5028	5824	6700	160
	45	3917	4832	5653	6522	7489	169
	50	4394	5313	6178	7111	8155	177
25	25	866	1379	1775	2134	2500	80
	30	1554	2202	2704	3183	3690	103
	35	2256	2981	3569	4157	4795	122
	40	2905	3675	4336	5020	5773	138
	45	3478	4278	5001	5768	6622	150
	50	3974	4796	5573	6413	7354	160
	55	4399	5240	6065	6968	7984	168
30	30	1232	1722	2105	2474	2867	80
	35	1865	2442	2916	3394	3913	100
	40	2479	3118	3673	4250	4887	116
	45	3043	3728	4354	5021	5763	130
	50	3546	4268	4957	5702	6538	142
	55	3987	4741	5485	6300	7219	152
	60	4373	5155	5948	6824	7815	160
35	35	1525	1975	2350	2731	3147	80
	40	2090	2611	3069	3549	4079	97
	45	2631	3209	3743	4313	4950	112
	50	3128	3754	4356	5010	5744	125
	55	3576	4244	4907	5636	6456	136
	60	3976	4681	5398	6193	7092	145
	65	4331	5068	5834	6688	7656	153
40	40	1747	2164	2538	2932	3369	80
	45	2253	2734	3184	3667	4208	95
	50	2734	3270	3791	4358	4996	108
	55	3180	3764	4350	4994	5721	120
	60	3586	4214	4858	5572	6380	130
	65	3953	4619	5316	6094	6975	139
	70	4282	4984	5728	6563	7510	147

Table 49.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 80 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	1916	2311	2687	3093	3548	80
	50	2372	2826	3273	3761	4311	93
	55	2806	3314	3826	4392	5031	105
	60	3211	3766	4340	4977	5698	116
	65	3583	4182	4811	5514	6311	126
	70	3922	4560	5240	6003	6869	134
	75	4231	4905	5631	6448	7377	142
50	50	2046	2428	2808	3225	3696	80
	55	2462	2899	3344	3838	4395	92
	60	2858	3346	3853	4418	5057	103
	65	3229	3763	4328	4959	5676	113
	70	3573	4150	4767	5460	6248	122
	75	3889	4505	5171	5921	6774	130
	80	4179	4831	5541	6343	7256	138
55	55	2150	2523	2908	3336	3820	80
	60	2531	2957	3403	3901	4465	91
	65	2896	3370	3873	4438	5079	101
	70	3239	3758	4315	4942	5655	111
	75	3559	4119	4727	5412	6191	119
	80	3856	4454	5108	5847	6688	127
60	60	2233	2602	2993	3430	3926	80
	65	2586	3004	3452	3954	4525	90
	70	2924	3388	3890	4454	5096	100
	75	3244	3751	4303	4926	5635	108
	80	3543	4090	4690	5368	6140	116
65	65	2302	2669	3065	3511	4017	80
	70	2631	3044	3494	4000	4576	89
	75	2946	3403	3903	4468	5111	98
	80	3245	3743	4291	4911	5617	106
70	70	2360	2727	3128	3581	4097	80
	75	2667	3078	3530	4040	4621	89
	80	2963	3415	3914	4479	5123	97
75	75	2409	2777	3183	3643	4167	80
	80	2698	3107	3561	4075	4660	88
80	80	2451	2821	3232	3698	4229	80

Table 50.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 90 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	531	1041	1485	1874	2250	90
	25	1244	2011	2604	3136	3678	118
	30	2052	2944	3629	4279	4965	139
	35	2817	3753	4506	5253	6062	155
	40	3484	4432	5237	6067	6980	166
	45	4046	4995	5846	6746	7746	175
	50	4516	5464	6354	7314	8388	182
25	25	966	1545	1993	2397	2810	90
	30	1691	2406	2958	3484	4041	113
	35	2415	3200	3834	4467	5154	131
	40	3073	3894	4597	5323	6122	146
	45	3646	4489	5250	6056	6953	157
	50	4135	4995	5806	6681	7662	166
	55	4552	5425	6281	7215	8268	174
30	30	1371	1929	2364	2780	3222	90
	35	2037	2679	3203	3729	4301	110
	40	2669	3367	3969	4593	5282	126
	45	3239	3976	4646	5357	6150	139
	50	3740	4508	5237	6025	6909	150
	55	4176	4969	5750	6605	7568	159
	60	4553	5369	6196	7110	8142	166
35	35	1698	2213	2639	3069	3538	90
	40	2291	2873	3381	3911	4496	107
	45	2846	3480	4062	4682	5374	121
	50	3347	4024	4672	5373	6161	134
	55	3793	4507	5212	5987	6859	144
	60	4187	4932	5690	6528	7475	153
	65	4533	5307	6110	7005	8019	160
40	40	1950	2427	2851	3295	3787	90
	45	2477	3016	3516	4051	4649	105
	50	2970	3559	4129	4748	5443	118
	55	3418	4053	4685	5379	6163	129
	60	3821	4495	5184	5947	6809	139
	65	4182	4891	5630	6453	7387	147
	70	4503	5243	6028	6906	7903	155

Table 50.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 90 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	2141	2593	3019	3477	3989	90
	50	2615	3124	3621	4162	4771	103
	55	3058	3618	4179	4798	5496	115
	60	3465	4069	4690	5380	6160	126
	65	3834	4479	5154	5907	6761	135
	70	4167	4848	5572	6384	7305	143
	75	4467	5181	5949	6813	7795	150
50	50	2290	2726	3155	3626	4155	90
	55	2720	3210	3706	4253	4871	102
	60	3123	3662	4219	4838	5539	113
	65	3495	4078	4692	5377	6154	123
	70	3836	4460	5124	5870	6717	131
	75	4147	4807	5518	6319	7229	139
	80	4430	5123	5877	6727	7695	146
55	55	2408	2833	3269	3751	4295	90
	60	2802	3279	3775	4329	4956	101
	65	3172	3696	4250	4870	5574	111
	70	3516	4083	4690	5372	6147	120
	75	3833	4440	5096	5835	6675	128
	80	4125	4768	5468	6260	7160	136
60	60	2503	2923	3364	3856	4415	90
	65	2867	3335	3834	4393	5027	100
	70	3210	3723	4276	4897	5603	110
	75	3530	4085	4688	5367	6140	118
	80	3827	4420	5070	5803	6637	126
65	65	2582	2999	3446	3948	4517	90
	70	2920	3383	3884	4448	5089	99
	75	3239	3745	4297	4919	5627	108
	80	3539	4085	4684	5361	6132	116
70	70	2648	3065	3517	4027	4607	90
	75	2963	3424	3927	4495	5142	99
	80	3263	3764	4315	4938	5648	107
75	75	2704	3121	3579	4097	4686	90
	80	3000	3459	3964	4537	5189	98
80	80	2753	3171	3634	4158	4756	90

Table 51.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 100 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	590	1156	1649	2081	2500	100
	25	1337	2166	2807	3383	3968	127
	30	2166	3113	3842	4530	5257	147
	35	2939	3922	4710	5492	6339	162
	40	3606	4591	5427	6288	7234	172
	45	4163	5143	6020	6946	7976	181
	50	4625	5599	6512	7495	8596	187
25	25	1065	1711	2211	2661	3119	100
	30	1823	2603	3204	3776	4380	123
	35	2565	3406	4085	4761	5493	140
	40	3228	4098	4839	5604	6447	154
	45	3799	4682	5477	6319	7255	164
	50	4282	5175	6017	6924	7941	172
	55	4690	5592	6475	7439	8524	179
30	30	1510	2136	2622	3086	3578	100
	35	2204	2909	3482	4055	4678	119
	40	2850	3603	4250	4919	5658	135
	45	3423	4207	4918	5673	6512	147
	50	3920	4729	5495	6323	7251	157
	55	4348	5178	5992	6884	7888	166
	60	4715	5564	6422	7369	8439	172
35	35	1872	2452	2928	3407	3929	100
	40	2487	3129	3685	4264	4903	117
	45	3051	3739	4366	5035	5779	131
	50	3554	4278	4968	5716	6554	142
	55	3995	4751	5496	6313	7233	152
	60	4381	5164	5958	6836	7829	160
	65	4717	5525	6363	7295	8350	167
40	40	2151	2690	3164	3658	4205	100
	45	2696	3291	3840	4426	5080	115
	50	3195	3837	4453	5122	5872	127
	55	3643	4325	5002	5744	6581	138
	60	4042	4758	5489	6297	7210	147
	65	4394	5142	5920	6787	7769	155
	70	4706	5482	6303	7221	8264	162

Table 51.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 100 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	2366	2876	3351	3860	4430	100
	50	2853	3416	3962	4555	5222	113
	55	3301	3911	4520	5190	5945	125
	60	3706	4357	5024	5763	6599	135
	65	4070	4758	5476	6277	7185	143
	70	4395	5117	5881	6738	7711	151
	75	4686	5437	6244	7151	8181	157
50	50	2533	3023	3503	4026	4615	100
	55	2973	3515	4060	4661	5339	112
	60	3379	3967	4573	5244	6005	123
	65	3750	4379	5039	5775	6611	132
	70	4085	4752	5462	6257	7160	140
	75	4389	5089	5843	6691	7656	147
	80	4662	5394	6188	7084	8104	154
55	55	2665	3144	3629	4165	4770	100
	60	3067	3595	4142	4749	5437	111
	65	3440	4012	4615	5289	6054	121
	70	3781	4395	5050	5784	6619	129
	75	4094	4744	5446	6236	7135	137
	80	4378	5062	5807	6648	7604	144
60	60	2773	3244	3735	4283	4903	100
	65	3143	3661	4210	4824	5521	110
	70	3487	4049	4651	5327	6095	119
	75	3804	4406	5057	5790	6624	127
	80	4097	4735	5430	6216	7111	135
65	65	2861	3329	3827	4384	5017	100
	70	3204	3717	4268	4888	5593	109
	75	3524	4079	4680	5358	6130	118
	80	3822	4414	5062	5794	6628	126
70	70	2936	3402	3906	4472	5117	100
	75	3255	3764	4319	4944	5656	109
	80	3555	4104	4706	5386	6160	117
75	75	2999	3465	3975	4550	5205	100
	80	3299	3806	4363	4993	5711	108
80	80	3054	3521	4036	4619	5283	100

Table 52.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 110 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	648	1271	1813	2288	2749	110
	25	1427	2315	3003	3620	4247	136
	30	2273	3273	4041	4767	5532	155
	35	3052	4078	4900	5714	6595	168
	40	3717	4738	5602	6490	7467	178
	45	4269	5277	6177	7129	8186	185
	50	4724	5720	6654	7659	8784	191
25	25	1164	1877	2429	2925	3429	110
	30	1952	2794	3443	4058	4708	132
	35	2707	3603	4323	5039	5815	148
	40	3374	4288	5066	5867	6750	161
	45	3940	4861	5688	6562	7535	171
	50	4416	5341	6210	7147	8197	178
	55	4815	5744	6651	7642	8757	184
30	30	1649	2343	2880	3392	3933	110
	35	2367	3133	3753	4373	5044	129
	40	3022	3828	4518	5231	6017	143
	45	3595	4425	5175	5969	6853	155
	50	4087	4935	5736	6600	7569	164
	55	4506	5370	6216	7141	8183	172
	60	4864	5742	6628	7606	8711	178
35	35	2045	2690	3217	3745	4319	110
	40	2678	3378	3982	4609	5300	126
	45	3248	3987	4659	5373	6168	139
	50	3749	4519	5249	6040	6925	150
	55	4184	4980	5762	6619	7584	159
	60	4561	5379	6207	7123	8157	167
	65	4887	5727	6595	7561	8656	173
40	40	2353	2953	3476	4022	4624	110
	45	2911	3561	4158	4793	5502	124
	50	3413	4105	4766	5482	6285	136
	55	3858	4584	5303	6091	6978	147
	60	4249	5006	5775	6626	7588	155
	65	4592	5377	6191	7098	8125	162
	70	4893	5703	6557	7513	8598	168

Table 52.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 110 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	2590	3158	3682	4244	4870	110
	50	3086	3703	4296	4941	5664	123
	55	3535	4194	4849	5568	6379	134
	60	3936	4632	5342	6128	7018	143
	65	4292	5022	5781	6627	7586	151
	70	4609	5368	6171	7070	8091	158
	75	4889	5676	6518	7465	8541	164
50	50	2775	3321	3850	4426	5074	110
	55	3222	3815	4409	5062	5799	122
	60	3627	4263	4915	5638	6456	132
	65	3993	4667	5372	6157	7048	141
	70	4321	5030	5781	6624	7580	148
	75	4616	5355	6149	7042	8057	155
	80	4879	5647	6479	7417	8485	161
55	55	2922	3454	3989	4579	5245	110
	60	3328	3906	4502	5163	5912	121
	65	3699	4319	4970	5696	6520	130
	70	4036	4694	5395	6180	7072	138
	75	4341	5034	5779	6618	7572	146
	80	4616	5340	6127	7014	8023	152
60	60	3042	3565	4106	4709	5391	110
	65	3414	3982	4580	5249	6008	120
	70	3756	4365	5015	5745	6574	129
	75	4069	4715	5413	6198	7091	136
	80	4354	5034	5775	6611	7562	143
65	65	3140	3658	4207	4821	5517	110
	70	3484	4046	4647	5323	6091	119
	75	3802	4403	5054	5787	6620	127
	80	4094	4732	5428	6213	7107	135
70	70	3223	3739	4294	4918	5627	110
	75	3543	4101	4706	5388	6163	118
	80	3840	4436	5087	5823	6661	126
75	75	3293	3809	4370	5003	5723	110
	80	3593	4148	4756	5444	6227	118
80	80	3354	3870	4437	5078	5809	110

Table 53.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of long leaf pine in the East Gulf, initial basal area (BT1) = 120 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	707	1386	1977	2496	2998	120
	25	1513	2460	3192	3849	4516	145
	30	2374	3424	4230	4990	5792	162
	35	3157	4224	5076	5921	6833	174
	40	3820	4872	5762	6677	7682	183
	45	4366	5399	6322	7296	8378	190
	50	4814	5831	6783	7808	8955	195
25	25	1264	2043	2646	3188	3739	120
	30	2076	2980	3674	4333	5027	141
	35	2843	3789	4549	5304	6121	156
	40	3510	4466	5278	6114	7034	168
	45	4072	5027	5883	6789	7795	176
	50	4540	5493	6388	7353	8433	183
	55	4930	5883	6813	7828	8971	189
30	30	1788	2550	3138	3697	4288	120
	35	2525	3351	4018	4682	5402	138
	40	3187	4043	4775	5529	6360	152
	45	3758	4631	5417	6249	7175	162
	50	4243	5128	5961	6860	7867	171
	55	4654	5548	6424	7380	8457	178
	60	5002	5907	6819	7825	8962	183
35	35	2218	2928	3506	4083	4709	120
	40	2865	3622	4273	4947	5689	135
	45	3438	4226	4941	5698	6542	148
	50	3935	4747	5516	6347	7279	158
	55	4362	5195	6012	6907	7914	166
	60	4729	5580	6440	7390	8463	173
	65	5045	5913	6811	7809	8939	179
40	40	2554	3216	3789	4384	5041	120
	45	3120	3826	4469	5153	5915	134
	50	3623	4363	5067	5830	6685	145
	55	4062	4832	5590	6421	7357	155
	60	4445	5240	6047	6938	7945	162
	65	4778	5597	6445	7389	8459	169
	70	5068	5909	6795	7786	8910	174

Table 53.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 120 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	2814	3439	4014	4627	5311	120
	50	3315	3984	4625	5320	6099	132
	55	3761	4468	5167	5935	6800	143
	60	4156	4895	5647	6479	7419	152
	65	4504	5272	6070	6959	7966	159
	70	4810	5604	6444	7383	8449	165
	75	5080	5898	6775	7759	8877	171
50	50	3017	3618	4197	4826	5533	120
	55	3466	4110	4752	5456	6251	131
	60	3868	4551	5248	6021	6894	141
	65	4227	4944	5692	6524	7468	149
	70	4546	5294	6086	6973	7980	156
	75	4830	5606	6438	7373	8436	162
	80	5083	5884	6752	7730	8843	168
55	55	3179	3764	4349	4993	5720	120
	60	3585	4213	4857	5571	6379	130
	65	3952	4618	5315	6092	6974	139
	70	4281	4983	5727	6561	7509	147
	75	4577	5310	6097	6983	7989	154
	80	4843	5604	6430	7361	8421	160
60	60	3310	3885	4477	5135	5879	120
	65	3681	4298	4946	5668	6488	129
	70	4019	4674	5371	6153	7041	138
	75	4324	5014	5757	6592	7542	145
	80	4600	5322	6105	6989	7995	152
65	65	3419	3988	4587	5257	6016	120
	70	3761	4371	5022	5752	6582	129
	75	4074	4721	5419	6205	7099	137
	80	4358	5040	5781	6618	7570	143
70	70	3510	4076	4682	5363	6136	120
	75	3827	4433	5088	5826	6665	128
	80	4119	4761	5460	6251	7150	135
75	75	3587	4152	4765	5456	6242	120
	80	3884	4487	5146	5890	6737	128
80	80	3654	4220	4839	5538	6335	120

Table 54.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 130 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	766	1501	2142	2703	3247	130
	25	1597	2600	3376	4071	4777	154
	30	2471	3568	4409	5202	6038	169
	35	3256	4360	5241	6114	7057	180
	40	3915	4997	5911	6850	7881	188
	45	4455	5512	6455	7450	8555	194
	50	4896	5933	6902	7945	9112	198
25	25	1363	2209	2864	3452	4049	130
	30	2197	3160	3900	4600	5338	150
	35	2972	3968	4766	5558	6414	164
	40	3638	4635	5479	6348	7303	174
	45	4194	5182	6066	7000	8038	182
	50	4654	5635	6554	7544	8652	188
	55	5036	6012	6963	8000	9168	193
30	30	1926	2756	3396	4002	4643	130
	35	2679	3564	4276	4985	5752	147
	40	3345	4251	5022	5816	6691	159
	45	3913	4826	5647	6515	7481	169
	50	4390	5309	6173	7104	8147	177
	55	4791	5715	6617	7603	8712	183
	60	5129	6060	6996	8028	9195	188
35	35	2391	3166	3794	4420	5099	130
	40	3048	3861	4557	5277	6070	145
	45	3621	4457	5212	6013	6903	156
	50	4111	4965	5771	6641	7616	165
	55	4529	5398	6248	7179	8226	173
	60	4886	5768	6658	7641	8750	179
	65	5191	6087	7012	8040	9204	184
40	40	2755	3478	4101	4747	5459	130
	45	3326	4086	4775	5507	6322	143
	50	3826	4613	5360	6167	7071	154
	55	4258	5069	5866	6738	7721	162
	60	4630	5462	6304	7234	8284	169
	65	4953	5804	6685	7664	8774	175
	70	5232	6102	7017	8041	9202	180

Table 54.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 130 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	3037	3721	4345	5010	5751	130
	50	3540	4261	4948	5692	6527	142
	55	3981	4734	5477	6291	7208	151
	60	4368	5148	5940	6815	7805	159
	65	4705	5510	6346	7275	8328	166
	70	5000	5828	6702	7679	8788	172
	75	5259	6108	7016	8035	9194	177
50	50	3259	3915	4544	5226	5992	130
	55	3706	4401	5089	5845	6696	141
	60	4102	4831	5572	6393	7321	150
	65	4452	5211	6000	6878	7873	157
	70	4761	5547	6377	7307	8362	164
	75	5034	5844	6712	7688	8796	169
	80	5275	6109	7010	8026	9181	174
55	55	3435	4073	4709	5407	6194	130
	60	3838	4515	5207	5973	6840	140
	65	4198	4910	5652	6479	7416	148
	70	4518	5262	6049	6930	7930	155
	75	4804	5575	6402	7332	8389	161
	80	5058	5855	6719	7692	8799	167
60	60	3578	4205	4848	5561	6367	130
	65	3945	4611	5306	6082	6962	139
	70	4275	4976	5719	6552	7497	147
	75	4571	5303	6089	6974	7979	154
	80	4837	5597	6422	7353	8411	159
65	65	3697	4317	4967	5693	6516	130
	70	4034	4692	5392	6177	7068	138
	75	4339	5031	5776	6615	7568	146
	80	4614	5338	6124	7011	8020	152
70	70	3796	4413	5070	5808	6646	130
	75	4108	4761	5466	6259	7161	138
	80	4392	5079	5826	6669	7629	145
75	75	3881	4496	5160	5909	6760	130
	80	4171	4822	5531	6331	7242	137
80	80	3954	4569	5240	5998	6861	130

Table 55.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 140 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	824	1616	2306	2910	3496	140
	25	1678	2735	3554	4287	5030	162
	30	2562	3704	4579	5404	6273	176
	35	3349	4488	5397	6296	7267	186
	40	4004	5114	6050	7011	8067	192
	45	4538	5617	6578	7592	8719	197
	50	4972	6026	7012	8071	9258	201
25	25	1462	2375	3082	3715	4358	140
	30	2315	3336	4120	4860	5640	158
	35	3096	4139	4973	5800	6695	171
	40	3760	4794	5669	6568	7557	180
	45	4310	5328	6238	7199	8267	187
	50	4762	5767	6708	7722	8856	192
	55	5135	6131	7101	8160	9351	197
30	30	2065	2963	3654	4308	4998	140
	35	2831	3773	4529	5280	6094	155
	40	3498	4450	5259	6092	7009	167
	45	4060	5012	5866	6769	7772	176
	50	4529	5480	6373	7335	8412	183
	55	4920	5871	6799	7812	8952	188
	60	5248	6202	7161	8218	9412	192
35	35	2563	3404	4082	4758	5489	140
	40	3227	4095	4837	5601	6443	154
	45	3797	4680	5475	6316	7252	164
	50	4280	5173	6015	6922	7938	172
	55	4688	5591	6473	7436	8521	179
	60	5034	5946	6864	7877	9021	184
	65	5329	6250	7200	8256	9451	189
40	40	2955	3740	4414	5110	5877	140
	45	3528	4341	5075	5854	6721	152
	50	4022	4855	5643	6493	7446	162
	55	4445	5296	6130	7042	8069	170
	60	4807	5674	6549	7515	8606	176
	65	5118	6000	6911	7924	9072	181
	70	5386	6283	7226	8280	9477	186

Table 55.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 140 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	3260	4002	4677	5393	6191	140
	50	3761	4533	5266	6059	6948	151
	55	4195	4993	5778	6637	7605	160
	60	4571	5392	6222	7140	8176	167
	65	4897	5738	6609	7577	8674	173
	70	5180	6041	6947	7960	9109	178
	75	5428	6306	7243	8296	9492	183
50	50	3500	4212	4891	5626	6451	140
	55	3943	4687	5422	6228	7136	150
	60	4330	5104	5888	6756	7737	158
	65	4670	5469	6297	7220	8264	165
	70	4967	5789	6657	7627	8729	171
	75	5227	6071	6974	7987	9138	176
	80	5458	6321	7254	8305	9501	180
55	55	3691	4383	5068	5821	6669	140
	60	4088	4814	5552	6370	7294	149
	65	4438	5195	5981	6856	7848	157
	70	4748	5531	6360	7287	8339	163
	75	5021	5830	6696	7668	8774	169
	80	5264	6095	6994	8008	9161	174
60	60	3846	4525	5218	5986	6855	140
	65	4206	4919	5663	6491	7430	148
	70	4526	5271	6059	6942	7944	155
	75	4811	5584	6412	7344	8402	162
	80	5065	5863	6728	7703	8811	167
65	65	3975	4646	5347	6129	7015	140
	70	4304	5009	5758	6596	7548	148
	75	4599	5335	6126	7016	8027	154
	80	4863	5628	6457	7393	8457	160
70	70	4083	4749	5458	6253	7155	140
	75	4386	5086	5840	6687	7651	147
	80	4660	5391	6185	7080	8099	154
75	75	4175	4839	5555	6361	7278	140
	80	4456	5154	5912	6768	7742	147
80	80	4254	4918	5641	6458	7387	140

Table 56.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 150 square feet

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
20	20	883	1731	2470	3117	3745	150
	25	1757	2867	3726	4496	5276	170
	30	2650	3835	4742	5597	6498	182
	35	3437	4609	5544	6468	7466	191
	40	4088	5223	6180	7163	8241	197
	45	4615	5715	6693	7726	8872	201
	50	5042	6113	7113	8189	9392	204
25	25	1562	2541	3299	3978	4668	150
	30	2431	3508	4334	5114	5936	166
	35	3215	4303	5173	6034	6964	178
	40	3876	4946	5849	6778	7799	186
	45	4418	5465	6400	7386	8482	192
	50	4862	5891	6853	7889	9048	197
	55	5226	6243	7231	8309	9522	200
30	30	2203	3169	3911	4613	5353	150
	35	2979	3977	4777	5570	6428	164
	40	3645	4643	5489	6359	7316	174
	45	4200	5190	6075	7011	8050	182
	50	4660	5642	6562	7553	8662	188
	55	5041	6018	6970	8009	9178	193
	60	5360	6336	7315	8396	9615	197
35	35	2736	3642	4371	5095	5879	150
	40	3402	4325	5111	5920	6810	162
	45	3968	4896	5729	6611	7590	172
	50	4442	5373	6248	7191	8247	179
	55	4840	5774	6686	7682	8803	185
	60	5174	6114	7058	8100	9277	190
	65	5458	6404	7377	8459	9684	194
40	40	3155	4002	4726	5472	6295	150
	45	3727	4592	5371	6196	7114	161
	50	4214	5091	5918	6811	7811	170
	55	4626	5515	6384	7335	8405	177
	60	4976	5876	6783	7784	8915	182
	65	5275	6186	7126	8171	9354	187
	70	5532	6454	7424	8507	9736	191

Table 56.--Current and projected merchantable cubic foot volumes,o.b.,(VOM) and projected total basal area (BT2) for natural even-aged stands of longleaf pine in the East Gulf, initial basal area (BT1) = 150 square feet.

Initial age (Years)	Final age	Site index 50	60	70	80	90	Projected basal area (sq. ft.)
A1	A2	VOM (cubic feet,o.b.,/acre)					BT2
45	45	3483	4283	5008	5776	6631	150
	50	3978	4801	5580	6420	7362	160
	55	4403	5245	6071	6974	7992	168
	60	4768	5627	6494	7452	8535	174
	65	5081	5957	6861	7867	9005	180
	70	5352	6243	7180	8227	9416	184
	75	5588	6493	7459	8543	9775	188
50	50	3741	4508	5237	6026	6909	150
	55	4176	4970	5751	6606	7569	159
	60	4553	5370	6197	7110	8143	166
	65	4880	5718	6585	7550	8643	173
	70	5164	6022	6925	7935	9081	178
	75	5413	6288	7223	8273	9466	182
	80	5631	6523	7486	8571	9806	186
55	55	3947	4692	5428	6234	7143	150
	60	4334	5108	5894	6762	7744	158
	65	4673	5473	6302	7225	8271	165
	70	4970	5793	6661	7633	8735	171
	75	5231	6075	6978	7992	9144	176
	80	5461	6324	7258	8310	9507	180
60	60	4114	4845	5589	6412	7342	150
	65	4463	5224	6015	6896	7893	158
	70	4772	5560	6392	7324	8381	164
	75	5044	5856	6726	7703	8814	170
	80	5285	6120	7023	8040	9198	174
65	65	4252	4974	5726	6564	7514	150
	70	4571	5323	6119	7011	8023	157
	75	4853	5633	6469	7409	8477	163
	80	5105	5910	6782	7764	8882	168
70	70	4369	5086	5846	6697	7664	150
	75	4661	5408	6210	7112	8137	157
	80	4922	5697	6537	7484	8561	162
75	75	4468	5182	5950	6814	7796	150
	80	4738	5482	6290	7201	8237	156
80	80	4553	5267	6042	6917	7912	150

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
20	25	20	6	11	17	22	25	28	30	32	34	36	37
		30	9	15	23	30	35	39	42	45	47	49	51
		40	11	18	29	37	43	48	53	56	59	62	64
		50	13	22	35	44	52	57	62	67	70	73	76
		60	15	25	40	51	59	66	72	76	81	84	87
		70	17	28	45	57	66	74	80	86	90	94	98
		80	18	31	50	63	73	82	89	95	100	104	108
		90	20	34	54	69	80	89	97	103	109	114	118
		100	21	37	58	74	86	96	104	111	117	123	127
		110	23	39	62	79	92	103	112	119	126	131	136
		120	24	42	66	84	98	109	119	127	134	140	145
		130	26	44	70	89	104	116	126	134	141	148	154
		140	27	46	74	94	109	122	132	141	149	156	162
		150	29	49	78	99	115	128	139	148	156	163	170
20	30	20	20	29	38	43	47	49	51	53	54	55	56
		30	26	37	49	56	61	64	66	68	70	71	73
		40	31	45	59	67	73	76	79	82	84	85	87
		50	36	51	68	77	83	87	91	94	96	98	99
		60	40	57	75	86	92	97	101	104	107	109	111
		70	43	62	82	94	101	106	111	114	117	119	121
		80	47	67	89	101	109	115	119	123	126	128	130
		90	50	72	95	108	116	123	127	131	134	137	139
		100	53	76	100	114	123	130	135	139	142	145	147
		110	56	80	106	120	130	137	142	146	150	153	155
		120	58	84	111	126	136	143	149	153	157	160	162
		130	61	87	115	131	142	149	155	160	163	167	169
		140	63	91	120	136	147	155	161	166	170	173	176
		150	65	94	124	141	152	161	167	172	176	179	182
20	35	20	41	52	61	65	68	70	71	72	73	73	74
		30	51	64	75	81	84	86	88	89	90	91	92
		40	59	74	87	93	97	100	102	103	105	106	106
		50	66	83	97	104	108	111	113	115	116	118	119
		60	72	90	106	113	118	121	124	125	127	128	129
		70	77	97	114	122	127	130	133	135	136	137	139
		80	82	103	120	129	134	138	141	143	144	146	147
		90	86	108	127	136	141	145	148	150	152	153	155
		100	90	113	133	142	148	152	155	157	159	161	162
		110	94	118	138	148	154	158	161	164	165	167	168
		120	97	122	143	153	160	164	167	170	171	173	174
		130	100	126	148	158	165	169	173	175	177	179	180
		140	103	130	152	163	170	174	178	180	182	184	186
		150	106	133	156	168	174	179	183	185	187	189	191

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
20	40	20	65	74	81	85	87	88	89	90	90	91	91
		30	77	89	98	101	104	105	106	107	108	108	109
		40	87	100	110	114	117	119	120	121	122	122	123
		50	95	110	120	125	128	130	131	132	133	134	134
		60	102	117	129	134	137	139	140	142	142	143	144
		70	108	124	136	142	145	147	149	150	151	152	152
		80	113	130	143	149	152	154	156	157	158	159	160
		90	118	136	149	155	159	161	163	164	165	166	166
		100	123	141	155	161	164	167	168	170	171	172	172
		110	127	145	160	166	170	172	174	175	176	177	178
		120	130	150	164	171	175	177	179	180	182	182	183
		130	134	153	168	175	179	182	184	185	186	187	188
		140	137	157	172	179	183	186	188	189	191	192	192
		150	140	161	176	183	187	190	192	194	195	196	197
20	45	20	86	94	99	102	103	104	104	105	105	106	106
		30	100	109	116	118	120	121	122	122	123	123	123
		40	111	121	128	131	133	134	134	135	136	136	136
		50	119	130	138	141	143	144	145	145	146	146	147
		60	126	138	146	149	151	152	153	154	155	155	155
		70	133	144	153	156	158	160	161	161	162	163	163
		80	138	150	159	163	165	166	167	168	169	169	169
		90	143	155	164	168	170	172	173	174	174	175	175
		100	147	160	169	173	176	177	178	179	180	180	181
		110	151	164	174	178	180	182	183	184	184	185	185
		120	154	168	178	182	184	186	187	188	189	189	190
		130	158	172	182	186	188	190	191	192	193	193	194
		140	161	175	185	190	192	194	195	196	196	197	197
		150	163	178	188	193	195	197	198	199	200	200	201
20	50	20	104	110	114	116	117	117	118	118	119	119	119
		30	119	126	130	132	133	134	134	135	135	135	135
		40	130	137	142	144	145	146	146	147	147	147	147
		50	138	146	151	153	154	155	156	156	156	157	157
		60	145	153	158	161	162	163	163	164	164	165	165
		70	151	159	165	167	168	169	170	170	171	171	171
		80	156	164	170	173	174	175	176	176	177	177	177
		90	160	169	175	178	179	180	181	181	182	182	182
		100	164	173	180	182	184	185	185	186	186	187	187
		110	168	177	184	186	188	189	189	190	190	191	191
		120	171	181	187	190	191	192	193	194	194	194	195
		130	174	184	190	193	195	196	196	197	197	198	198
		140	177	187	193	196	198	199	200	200	201	201	201
		150	179	190	196	199	201	202	202	203	203	204	204

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
25	30	20	5	8	14	18	21	24	26	28	30	32	33
		30	6	11	19	25	30	34	37	40	42	45	47
		40	8	14	24	31	37	42	47	50	54	57	59
		50	10	17	29	38	45	51	56	60	64	68	71
		60	11	20	33	44	52	59	65	70	75	79	82
		70	13	23	38	49	59	66	73	79	84	89	93
		80	14	25	42	55	65	74	81	88	93	99	103
		90	16	27	46	60	71	81	89	96	102	108	113
		100	17	30	50	65	77	88	96	104	111	117	123
		110	18	32	53	70	83	94	104	112	119	126	132
		120	19	34	57	75	89	101	111	120	128	135	141
		130	21	36	61	79	94	107	118	127	135	143	150
		140	22	38	64	84	100	113	124	134	143	151	158
		150	23	40	67	88	105	119	131	141	151	159	166
25	35	20	13	21	29	34	38	41	43	44	46	47	48
		30	18	27	39	46	50	54	57	59	61	63	64
		40	22	33	47	55	61	66	69	72	74	76	78
		50	25	39	54	64	71	76	80	83	86	89	91
		60	28	43	61	72	80	86	90	94	97	100	102
		70	31	48	68	80	88	95	100	104	107	110	112
		80	34	52	74	87	96	103	108	113	116	119	122
		90	36	56	79	93	103	111	116	121	125	128	131
		100	39	60	84	99	110	118	124	129	133	137	140
		110	41	63	89	105	116	125	131	137	141	145	148
		120	43	67	94	111	123	131	138	144	149	153	156
		130	45	70	99	116	129	138	145	151	156	160	164
		140	47	73	103	121	134	144	151	158	163	167	171
		150	49	76	107	126	140	150	158	164	169	174	178
25	40	20	28	38	47	52	55	57	59	60	62	62	63
		30	36	48	60	66	70	73	75	77	78	80	81
		40	42	57	71	78	83	86	89	91	93	94	95
		50	47	64	80	89	94	98	101	103	105	106	107
		60	52	71	88	98	104	108	111	113	115	117	118
		70	57	77	96	106	112	117	120	123	125	127	128
		80	61	82	103	113	120	125	129	132	134	136	138
		90	64	87	109	120	128	133	137	140	142	144	146
		100	68	92	115	127	134	140	144	147	150	152	154
		110	71	96	120	133	141	146	151	154	157	159	161
		120	74	100	125	138	147	153	157	161	163	166	168
		130	77	104	130	144	152	158	163	167	170	172	174
		140	80	107	134	149	158	164	169	173	176	178	180
		150	82	111	139	153	163	169	174	178	181	184	186

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
25	45	20	46	56	65	69	72	73	75	76	76	77	78
		30	57	69	80	85	88	90	92	93	94	95	96
		40	65	80	92	98	102	104	106	107	108	109	110
		50	72	89	102	109	113	115	117	119	120	121	122
		60	78	96	111	118	122	125	127	129	130	131	132
		70	84	103	119	126	131	134	136	138	139	141	142
		80	89	109	126	134	138	142	144	146	148	149	150
		90	93	114	132	140	145	149	151	153	155	156	157
		100	97	119	138	146	152	155	158	160	162	163	164
		110	101	124	143	152	158	161	164	166	168	169	171
		120	104	128	148	157	163	167	170	172	174	175	176
		130	108	132	153	162	168	172	175	177	179	181	182
		140	111	136	157	167	173	177	180	182	184	186	187
		150	114	140	161	171	178	182	185	187	189	191	192
25	50	20	65	74	81	85	87	88	89	90	90	91	91
		30	77	89	98	101	104	105	106	107	108	108	109
		40	87	100	110	114	117	119	120	121	122	122	123
		50	95	110	120	125	128	130	131	132	133	134	134
		60	102	117	129	134	137	139	140	142	142	143	144
		70	108	124	136	142	145	147	149	150	151	152	152
		80	113	130	143	149	152	154	156	157	158	159	160
		90	118	136	149	155	159	161	163	164	165	166	166
		100	123	141	155	161	164	167	168	170	171	172	172
		110	127	145	160	166	170	172	174	175	176	177	178
		120	130	150	164	171	175	177	179	180	182	182	183
		130	134	153	168	175	179	182	184	185	186	187	188
		140	137	157	172	179	183	186	188	189	191	192	192
		150	140	161	176	183	187	190	192	194	195	196	197
25	55	20	82	90	96	98	100	101	101	102	102	103	103
		30	96	106	112	115	117	118	119	119	120	120	121
		40	107	117	125	128	130	131	132	132	133	133	134
		50	115	126	135	138	140	141	142	143	144	144	144
		60	122	134	143	147	149	150	151	152	152	153	153
		70	128	141	150	154	156	158	159	159	160	161	161
		80	134	147	156	160	163	164	165	166	167	167	168
		90	138	152	162	166	168	170	171	172	173	173	174
		100	143	157	167	171	174	175	176	177	178	179	179
		110	147	161	171	176	178	180	181	182	183	184	184
		120	150	165	176	180	183	184	186	187	187	188	189
		130	153	169	180	184	187	189	190	191	192	192	193
		140	157	172	183	188	191	192	194	195	195	196	197
		150	159	175	186	191	194	196	197	198	199	200	200

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
30	35	20	4	7	11	15	19	21	24	26	28	29	31
		30	5	9	16	22	26	30	34	37	39	42	44
		40	7	12	21	28	34	39	43	47	50	53	56
		50	8	15	25	33	40	46	52	56	60	64	68
		60	9	17	29	39	47	54	60	66	70	75	79
		70	11	19	33	44	53	61	68	74	80	85	89
		80	12	21	37	49	59	68	76	83	89	95	100
		90	13	24	40	54	65	75	84	91	98	104	110
		100	14	26	44	59	71	82	91	99	107	113	119
		110	15	28	48	63	77	88	98	107	115	122	129
		120	16	30	51	68	82	94	105	115	123	131	138
		130	17	32	54	72	88	101	112	122	131	139	147
		140	18	33	57	77	93	107	119	129	139	148	155
		150	20	35	61	81	98	113	125	137	147	156	164
30	40	20	10	16	23	28	32	35	37	39	41	42	43
		30	13	21	32	38	43	47	50	53	55	57	58
		40	16	26	39	47	53	58	62	65	68	70	72
		50	19	31	46	55	63	68	73	76	79	82	84
		60	22	35	52	63	71	77	82	86	90	93	96
		70	24	39	58	70	79	86	91	96	100	103	106
		80	26	42	63	76	86	94	100	105	109	113	116
		90	28	46	68	83	93	102	108	114	118	122	126
		100	31	49	73	89	100	109	116	122	127	131	135
		110	32	52	78	94	106	116	123	130	135	139	143
		120	34	55	82	100	113	122	130	137	143	147	152
		130	36	58	86	105	118	129	137	144	150	155	159
		140	38	61	90	110	124	135	144	151	157	162	167
		150	40	63	94	115	129	141	150	158	164	170	174
30	45	20	20	29	38	43	47	49	51	53	54	55	56
		30	26	37	49	56	61	64	66	68	70	71	73
		40	31	45	59	67	73	76	79	82	84	85	87
		50	36	51	68	77	83	87	91	94	96	98	99
		60	40	57	75	86	92	97	101	104	107	109	111
		70	43	62	82	94	101	106	111	114	117	119	121
		80	47	67	89	101	109	115	119	123	126	128	130
		90	50	72	95	108	116	123	127	131	134	137	139
		100	53	76	100	114	123	130	135	139	142	145	147
		110	56	80	106	120	130	137	142	146	150	153	155
		120	58	84	111	126	136	143	149	153	157	160	162
		130	61	87	115	131	142	149	155	160	163	167	169
		140	63	91	120	136	147	155	161	166	170	173	176
		150	65	94	124	141	152	161	167	172	176	179	182

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
30	50	20	34	44	53	58	61	63	64	66	67	67	68
		30	42	55	67	73	77	79	81	83	84	85	86
		40	50	65	78	85	90	93	95	97	98	99	100
		50	56	73	88	96	101	104	107	109	110	111	113
		60	61	80	97	105	110	114	117	119	121	122	123
		70	66	86	104	113	119	123	126	128	130	132	133
		80	70	91	111	121	127	131	134	137	139	141	142
		90	74	97	117	128	134	139	142	145	147	149	150
		100	78	102	123	134	141	146	149	152	154	156	157
		110	81	106	129	140	147	152	156	159	161	163	164
		120	84	110	134	145	153	158	162	165	167	169	171
		130	87	114	138	151	158	164	168	171	173	175	177
		140	90	118	143	156	163	169	173	176	179	181	183
		150	93	121	147	160	168	174	178	182	184	186	188
30	55	20	49	59	68	72	74	76	77	78	79	79	80
		30	60	73	83	88	91	93	94	96	97	97	98
		40	69	83	95	101	104	107	108	110	111	111	112
		50	76	92	106	112	115	118	120	121	122	123	124
		60	83	100	114	121	125	128	130	131	133	134	134
		70	88	107	122	129	133	136	139	140	141	143	143
		80	93	113	129	136	141	144	146	148	149	151	152
		90	98	118	135	143	148	151	153	155	157	158	159
		100	102	123	141	149	154	158	160	162	163	165	166
		110	106	128	146	155	160	163	166	168	170	171	172
		120	109	132	151	160	165	169	172	174	175	177	178
		130	112	136	156	165	170	174	177	179	181	182	183
		140	116	140	160	169	175	179	182	184	186	187	188
		150	118	144	164	174	179	183	186	188	190	192	193
30	60	20	65	74	81	85	87	88	89	90	90	91	91
		30	77	89	98	101	104	105	106	107	108	108	109
		40	87	100	110	114	117	119	120	121	122	122	123
		50	95	110	120	125	128	130	131	132	133	134	134
		60	102	117	129	134	137	139	140	142	142	143	144
		70	108	124	136	142	145	147	149	150	151	152	152
		80	113	130	143	149	152	154	156	157	158	159	160
		90	118	136	149	155	159	161	163	164	165	166	166
		100	123	141	155	161	164	167	168	170	171	172	172
		110	127	145	160	166	170	172	174	175	176	177	178
		120	130	150	164	171	175	177	179	180	182	182	183
		130	134	153	168	175	179	182	184	185	186	187	188
		140	137	157	172	179	183	186	188	189	191	192	192
		150	140	161	176	183	187	190	192	194	195	196	197

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
35	40	20	3	6	10	14	17	19	22	24	26	28	29
		30	4	8	14	20	24	28	31	34	37	40	42
		40	6	11	19	25	31	36	40	44	48	51	54
		50	7	13	22	30	37	43	49	53	58	62	65
		60	8	15	26	36	44	51	57	62	67	72	76
		70	9	17	30	40	50	58	65	71	77	82	87
		80	10	19	33	45	55	64	72	79	86	92	97
		90	11	21	37	50	61	71	80	87	95	101	107
		100	12	23	40	54	67	77	87	95	103	110	117
		110	13	25	43	59	72	84	94	103	112	119	126
		120	14	27	47	63	77	90	101	111	120	128	135
		130	15	28	50	68	83	96	108	118	128	137	145
		140	16	30	53	72	88	102	114	126	136	145	154
		150	17	32	56	76	93	108	121	133	143	153	162
35	45	20	8	13	20	24	28	31	33	35	37	38	40
		30	10	17	27	33	38	42	46	48	51	53	54
		40	13	22	33	42	48	53	57	60	63	65	68
		50	15	25	39	49	56	62	67	71	74	77	80
		60	18	29	45	56	64	71	76	81	85	88	91
		70	20	33	50	63	72	79	85	90	95	98	102
		80	22	36	55	69	79	87	94	99	104	108	112
		90	23	39	60	75	86	95	102	108	113	117	121
		100	25	42	65	80	92	102	109	116	122	126	131
		110	27	45	69	86	99	109	117	124	130	135	139
		120	28	47	73	91	105	115	124	131	138	143	148
		130	30	50	77	96	110	122	131	139	145	151	156
		140	32	52	81	101	116	128	138	146	153	159	164
		150	33	55	85	106	121	134	144	152	160	166	172
35	50	20	15	23	32	37	40	43	45	47	48	49	50
		30	20	30	42	49	53	57	60	62	64	65	67
		40	24	36	50	59	65	69	72	75	77	79	81
		50	28	42	58	68	75	80	83	86	89	91	93
		60	31	47	65	76	84	89	94	97	100	102	104
		70	35	52	72	84	92	98	103	107	110	113	115
		80	37	56	78	91	100	106	112	116	119	122	125
		90	40	60	84	98	107	114	120	124	128	131	134
		100	43	64	89	104	114	122	127	132	136	139	142
		110	45	68	94	110	120	128	135	140	144	147	150
		120	48	71	99	115	127	135	142	147	151	155	158
		130	50	75	104	121	133	141	148	154	158	162	165
		140	52	78	108	126	138	147	154	160	165	169	172
		150	54	81	112	131	144	153	160	166	171	176	179

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
35	55	20	26	35	45	50	53	55	57	58	59	60	61
		30	33	45	57	64	68	71	73	75	76	77	78
		40	39	53	68	75	80	84	86	88	90	91	93
		50	44	60	77	85	91	95	98	100	102	104	105
		60	49	67	85	94	101	105	108	111	113	115	116
		70	53	73	92	103	109	114	118	120	123	125	126
		80	57	78	99	110	117	122	126	129	132	134	136
		90	60	83	105	117	125	130	134	137	140	142	144
		100	63	87	111	123	131	137	141	145	148	150	152
		110	67	91	116	129	138	144	148	152	155	157	159
		120	69	95	121	135	144	150	155	159	162	164	166
		130	72	99	126	140	149	156	161	165	168	171	173
		140	75	103	131	145	155	162	167	171	174	177	179
		150	77	106	135	150	160	167	172	176	180	183	185
35	60	20	38	48	58	62	65	67	68	69	70	71	72
		30	47	60	72	77	81	83	85	87	88	89	89
		40	55	70	83	90	94	97	99	101	102	103	104
		50	62	78	93	101	105	108	111	112	114	115	116
		60	67	86	102	110	115	118	121	123	124	126	127
		70	72	92	110	118	123	127	130	132	134	135	136
		80	77	98	117	126	131	135	138	140	142	144	145
		90	81	103	123	132	138	143	146	148	150	151	153
		100	85	108	129	139	145	149	152	155	157	159	160
		110	88	113	134	145	151	156	159	161	164	165	167
		120	92	117	139	150	157	161	165	168	170	171	173
		130	95	121	144	155	162	167	171	173	176	177	179
		140	98	125	148	160	167	172	176	179	181	183	184
		150	101	128	153	165	172	177	181	184	186	188	190
35	65	20	51	62	70	74	76	78	79	80	80	81	81
		30	63	75	85	90	93	95	96	97	98	99	100
		40	72	86	98	103	106	108	110	111	112	113	114
		50	79	95	108	114	117	120	122	123	124	125	126
		60	85	103	117	123	127	129	131	133	134	135	136
		70	91	109	124	131	135	138	140	142	143	144	145
		80	96	116	131	138	143	146	148	150	151	152	153
		90	101	121	137	145	150	153	155	157	158	159	160
		100	105	126	143	151	156	159	161	163	165	166	167
		110	109	131	148	157	161	165	167	169	171	172	173
		120	112	135	153	162	167	170	173	175	176	178	179
		130	116	139	158	167	172	175	178	180	181	183	184
		140	119	143	162	171	176	180	183	185	186	188	189
		150	122	146	166	175	181	184	187	189	191	192	194

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
40	45	20	3	5	9	13	16	18	21	23	25	26	28
		30	4	7	13	18	22	26	29	33	35	38	40
		40	5	9	17	23	29	34	38	42	46	49	52
		50	6	12	21	28	35	41	46	51	55	60	63
		60	7	13	24	33	41	48	54	60	65	70	74
		70	8	15	28	38	47	55	62	68	74	80	85
		80	9	17	31	42	52	61	69	77	83	89	95
		90	10	19	34	47	58	68	77	85	92	99	105
		100	11	21	37	51	63	74	84	92	101	108	115
		110	12	23	40	55	69	80	91	100	109	117	124
		120	13	24	43	60	74	86	98	108	117	126	134
		130	14	26	46	64	79	92	104	115	125	134	143
		140	15	28	49	68	84	98	111	123	133	143	152
		150	16	29	52	72	89	104	117	130	141	151	161
40	50	20	6	11	17	22	25	28	30	32	34	36	37
		30	9	15	23	30	35	39	42	45	47	49	51
		40	11	18	29	37	43	48	53	56	59	62	64
		50	13	22	35	44	52	57	62	67	70	73	76
		60	15	25	40	51	59	66	72	76	81	84	87
		70	17	28	45	57	66	74	80	86	90	94	98
		80	18	31	50	63	73	82	89	95	100	104	108
		90	20	34	54	69	80	89	97	103	109	114	118
		100	21	37	58	74	86	96	104	111	117	123	127
		110	23	39	62	79	92	103	112	119	126	131	136
		120	24	42	66	84	98	109	119	127	134	140	145
		130	26	44	70	89	104	116	126	134	141	148	154
		140	27	46	74	94	109	122	132	141	149	156	162
		150	29	49	78	99	115	128	139	148	156	163	170
40	55	20	12	19	27	32	36	38	41	42	44	45	46
		30	16	25	36	43	48	51	54	57	59	61	62
		40	20	31	44	52	58	63	66	69	72	74	76
		50	23	36	51	61	68	73	77	81	84	86	88
		60	26	40	58	69	77	83	87	91	94	97	100
		70	28	44	64	76	85	91	97	101	104	108	110
		80	31	48	70	83	92	100	105	110	114	117	120
		90	33	52	75	89	100	107	113	118	123	126	129
		100	36	56	80	95	106	115	121	127	131	135	138
		110	38	59	85	101	113	122	129	134	139	143	147
		120	40	62	90	107	119	128	136	142	147	151	155
		130	42	65	94	112	125	135	142	149	154	158	162
		140	44	68	98	117	131	141	149	155	161	165	170
		150	46	71	102	122	136	147	155	162	167	172	177

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
40	60	20	20	29	38	43	47	49	51	53	54	55	56
		30	26	37	49	56	61	64	66	68	70	71	73
		40	31	45	59	67	73	76	79	82	84	85	87
		50	36	51	68	77	83	87	91	94	96	98	99
		60	40	57	75	86	92	97	101	104	107	109	111
		70	43	62	82	94	101	106	111	114	117	119	121
		80	47	67	89	101	109	115	119	123	126	128	130
		90	50	72	95	108	116	123	127	131	134	137	139
		100	53	76	100	114	123	130	135	139	142	145	147
		110	56	80	106	120	130	137	142	146	150	153	155
		120	58	84	111	126	136	143	149	153	157	160	162
		130	61	87	115	131	142	149	155	160	163	167	169
		140	63	91	120	136	147	155	161	166	170	173	176
		150	65	94	124	141	152	161	167	172	176	179	182
40	65	20	30	40	49	54	57	60	61	62	63	64	65
		30	38	51	63	69	73	76	78	79	81	82	83
		40	45	60	74	81	86	89	91	93	95	96	97
		50	50	67	83	91	97	100	103	105	107	108	109
		60	56	74	92	101	106	110	113	116	117	119	120
		70	60	80	99	109	115	119	122	125	127	129	130
		80	64	86	106	116	123	127	131	134	136	138	139
		90	68	91	112	123	130	135	139	142	144	146	147
		100	72	95	118	130	137	142	146	149	151	153	155
		110	75	100	123	135	143	149	153	156	158	160	162
		120	78	104	128	141	149	155	159	162	165	167	169
		130	81	108	133	146	155	160	165	168	171	173	175
		140	84	111	138	151	160	166	170	174	177	179	181
		150	86	115	142	156	165	171	176	179	182	185	187
40	70	20	41	52	61	65	68	70	71	72	73	73	74
		30	51	64	75	81	84	86	88	89	90	91	92
		40	59	74	87	93	97	100	102	103	105	106	106
		50	66	83	97	104	108	111	113	115	116	118	119
		60	72	90	106	113	118	121	124	125	127	128	129
		70	77	97	114	122	127	130	133	135	136	137	139
		80	82	103	120	129	134	138	141	143	144	146	147
		90	86	108	127	136	141	145	148	150	152	153	155
		100	90	113	133	142	148	152	155	157	159	161	162
		110	94	118	138	148	154	158	161	164	165	167	168
		120	97	122	143	153	160	164	167	170	171	173	174
		130	100	126	148	158	165	169	173	175	177	179	180
		140	103	130	152	163	170	174	178	180	182	184	186
		150	106	133	156	168	174	179	183	185	187	189	191

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
45	50	20	2	5	8	12	15	17	19	22	24	25	27
		30	4	7	12	17	21	25	28	31	34	37	39
		40	5	9	16	22	27	32	36	40	44	48	51
		50	6	11	19	27	33	39	44	49	54	58	62
		60	7	12	23	31	39	46	52	58	63	68	73
		70	8	14	26	36	45	52	60	66	72	78	83
		80	9	16	29	40	50	59	67	74	81	87	93
		90	9	18	32	44	55	65	74	82	90	97	103
		100	10	19	35	49	61	71	81	90	98	106	113
		110	11	21	38	53	66	78	88	98	107	115	123
		120	12	23	41	57	71	84	95	105	115	124	132
		130	13	24	44	61	76	89	102	113	123	133	142
		140	14	26	47	65	81	95	108	120	131	141	151
		150	15	27	50	69	86	101	115	127	139	150	160
45	55	20	5	9	15	19	23	26	28	30	32	34	35
		30	7	13	21	27	32	36	39	42	45	47	49
		40	9	16	26	34	40	45	49	53	56	59	62
		50	11	19	31	41	48	54	59	63	67	70	73
		60	13	22	36	47	55	62	68	73	77	81	85
		70	14	25	41	53	62	70	76	82	87	91	95
		80	16	28	45	58	69	77	85	91	96	101	105
		90	17	30	49	64	75	85	92	99	105	111	115
		100	19	33	54	69	81	91	100	107	114	120	125
		110	20	35	57	74	87	98	107	115	122	128	134
		120	22	37	61	79	93	105	114	123	130	137	143
		130	23	40	65	84	99	111	121	130	138	145	151
		140	24	42	69	88	104	117	128	138	146	153	160
		150	25	44	72	93	109	123	135	145	153	161	168
45	60	20	10	16	23	28	32	35	37	39	41	42	43
		30	13	21	32	38	43	47	50	53	55	57	58
		40	16	26	39	47	53	58	62	65	68	70	72
		50	19	31	46	55	63	68	73	76	79	82	84
		60	22	35	52	63	71	77	82	86	90	93	96
		70	24	39	58	70	79	86	91	96	100	103	106
		80	26	42	63	76	86	94	100	105	109	113	116
		90	28	46	68	83	93	102	108	114	118	122	126
		100	31	49	73	89	100	109	116	122	127	131	135
		110	32	52	78	94	106	116	123	130	135	139	143
		120	34	55	82	100	113	122	130	137	143	147	152
		130	36	58	86	105	118	129	137	144	150	155	159
		140	38	61	90	110	124	135	144	151	157	162	167
		150	40	63	94	115	129	141	150	158	164	170	174

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
45	65	20	16	24	33	38	42	44	46	48	49	51	52
		30	21	32	43	50	55	58	61	63	65	67	68
		40	26	38	52	61	66	71	74	76	79	80	82
		50	30	44	60	70	77	81	85	88	91	93	94
		60	33	49	68	78	86	91	95	99	101	104	106
		70	36	54	74	86	94	100	105	108	111	114	116
		80	39	59	80	93	102	108	113	117	121	123	126
		90	42	63	86	100	109	116	121	126	129	132	135
		100	45	67	92	106	116	123	129	134	137	141	143
		110	47	71	97	112	123	130	136	141	145	149	151
		120	50	74	102	118	129	137	143	148	152	156	159
		130	52	78	106	123	135	143	150	155	159	163	166
		140	54	81	111	128	140	149	156	162	166	170	173
		150	56	84	115	133	146	155	162	168	172	176	180
45	70	20	24	34	43	48	51	54	56	57	58	59	60
		30	31	43	55	62	66	69	71	73	75	76	77
		40	37	51	66	73	78	82	85	87	89	90	91
		50	42	58	75	84	89	93	96	99	101	102	104
		60	47	65	83	92	99	103	107	109	112	113	115
		70	51	70	90	101	107	112	116	119	121	123	125
		80	54	75	97	108	115	121	125	128	130	133	134
		90	58	80	103	115	123	128	133	136	139	141	143
		100	61	85	109	121	130	136	140	144	146	149	151
		110	64	89	114	127	136	142	147	151	154	156	158
		120	67	93	119	133	142	149	153	157	161	163	165
		130	70	97	124	138	148	155	160	164	167	170	172
		140	72	100	128	143	153	160	166	170	173	176	178
		150	75	104	133	148	158	166	171	175	179	182	184
45	75	20	34	44	53	58	61	63	64	66	67	67	68
		30	42	55	67	73	77	79	81	83	84	85	86
		40	50	65	78	85	90	93	95	97	98	99	100
		50	56	73	88	96	101	104	107	109	110	111	113
		60	61	80	97	105	110	114	117	119	121	122	123
		70	66	86	104	113	119	123	126	128	130	132	133
		80	70	91	111	121	127	131	134	137	139	141	142
		90	74	97	117	128	134	139	142	145	147	149	150
		100	78	102	123	134	141	146	149	152	154	156	157
		110	81	106	129	140	147	152	156	159	161	163	164
		120	84	110	134	145	153	158	162	165	167	169	171
		130	87	114	138	151	158	164	168	171	173	175	177
		140	90	118	143	156	163	169	173	176	179	181	183
		150	93	121	147	160	168	174	178	182	184	186	188

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
A1	A2	BT1	BS2 (square feet/acre)										
50	55	20	2	4	8	11	14	16	19	21	23	25	2[illegible]
		30	3	6	11	16	20	24	27	30	33	36	3[illegible]
		40	4	8	15	21	26	31	35	39	43	46	5[illegible]
		50	5	10	18	25	32	38	43	48	52	57	6[illegible]
		60	6	12	21	30	37	44	50	56	62	67	7[illegible]
		70	7	13	24	34	43	51	58	65	71	76	8[illegible]
		80	8	15	28	38	48	57	65	73	80	86	9[illegible]
		90	9	17	31	43	53	63	72	81	88	95	10[illegible]
		100	10	18	33	47	59	69	79	88	97	105	11[illegible]
		110	11	20	36	51	64	75	86	96	105	114	12[illegible]
		120	11	21	39	55	69	81	93	103	113	123	131
		130	12	23	42	59	74	87	99	111	121	131	141
		140	13	24	45	63	78	93	106	118	129	140	150
		150	14	26	48	66	83	98	112	125	137	148	159
50	60	20	5	8	14	18	21	24	26	28	30	32	33
		30	6	11	19	25	30	34	37	40	42	45	47
		40	8	14	24	31	37	42	47	50	54	57	59
		50	10	17	29	38	45	51	56	60	64	68	71
		60	11	20	33	44	52	59	65	70	75	79	82
		70	13	23	38	49	59	66	73	79	84	89	93
		80	14	25	42	55	65	74	81	88	93	99	103
		90	16	27	46	60	71	81	89	96	102	108	113
		100	17	30	50	65	77	88	96	104	111	117	123
		110	18	32	53	70	83	94	104	112	119	126	132
		120	19	34	57	75	89	101	111	120	128	135	141
		130	21	36	61	79	94	107	118	127	135	143	150
		140	22	38	64	84	100	113	124	134	143	151	158
		150	23	40	67	88	105	119	131	141	151	159	166
50	65	20	8	14	21	26	29	32	34	36	38	39	41
		30	11	18	28	35	40	44	47	50	52	54	56
		40	14	23	35	43	49	54	58	61	64	67	69
		50	16	27	41	51	58	64	69	72	76	79	81
		60	19	31	47	58	66	73	78	83	86	90	92
		70	21	34	52	65	74	81	87	92	96	100	103
		80	23	38	58	71	81	89	96	101	106	110	113
		90	25	41	62	77	88	97	104	110	115	119	123
		100	27	44	67	83	95	104	111	118	123	128	132
		110	28	47	72	88	101	111	119	126	131	136	141
		120	30	50	76	94	107	117	126	133	139	144	149
		130	32	52	80	99	113	124	133	140	147	152	157
		140	33	55	84	104	118	130	139	147	154	160	165
		150	35	57	88	109	124	136	146	154	161	167	173

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
50	70	20	13	21	29	34	38	41	43	44	46	47	48
		30	18	27	39	46	50	54	57	59	61	63	64
		40	22	33	47	55	61	66	69	72	74	76	78
		50	25	39	54	64	71	76	80	83	86	89	91
		60	28	43	61	72	80	86	90	94	97	100	102
		70	31	48	68	80	88	95	100	104	107	110	112
		80	34	52	74	87	96	103	108	113	116	119	122
		90	36	56	79	93	103	111	116	121	125	128	131
		100	39	60	84	99	110	118	124	129	133	137	140
		110	41	63	89	105	116	125	131	137	141	145	148
		120	43	67	94	111	123	131	138	144	149	153	156
		130	45	70	99	116	129	138	145	151	156	160	164
		140	47	73	103	121	134	144	151	158	163	167	171
		150	49	76	107	126	140	150	158	164	169	174	178
50	75	20	20	29	38	43	47	49	51	53	54	55	56
		30	26	37	49	56	61	64	66	68	70	71	73
		40	31	45	59	67	73	76	79	82	84	85	87
		50	36	51	68	77	83	87	91	94	96	98	99
		60	40	57	75	86	92	97	101	104	107	109	111
		70	43	62	82	94	101	106	111	114	117	119	121
		80	47	67	89	101	109	115	119	123	126	128	130
		90	50	72	95	108	116	123	127	131	134	137	139
		100	53	76	100	114	123	130	135	139	142	145	147
		110	56	80	106	120	130	137	142	146	150	153	155
		120	58	84	111	126	136	143	149	153	157	160	162
		130	61	87	115	131	142	149	155	160	163	167	169
		140	63	91	120	136	147	155	161	166	170	173	176
		150	65	94	124	141	152	161	167	172	176	179	182
50	80	20	28	38	47	52	55	57	59	60	62	62	63
		30	36	48	60	66	70	73	75	77	78	80	81
		40	42	57	71	78	83	86	89	91	93	94	95
		50	47	64	80	89	94	98	101	103	105	106	107
		60	52	71	88	98	104	108	111	113	115	117	118
		70	57	77	96	106	112	117	120	123	125	127	128
		80	61	82	103	113	120	125	129	132	134	136	138
		90	64	87	109	120	128	133	137	140	142	144	146
		100	68	92	115	127	134	140	144	147	150	152	154
		110	71	96	120	133	141	146	151	154	157	159	161
		120	74	100	125	138	147	153	157	161	163	166	168
		130	77	104	130	144	152	158	163	167	170	172	174
		140	80	107	134	149	158	164	169	173	176	178	180
		150	82	111	139	153	163	169	174	178	181	184	186

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
55	60	20	2	4	7	10	13	16	18	20	22	24	26
		30	3	6	11	15	19	23	26	29	32	35	38
		40	4	8	14	20	25	30	34	38	42	45	49
		50	5	9	17	24	31	36	42	47	51	56	60
		60	6	11	20	29	36	43	49	55	60	66	70
		70	7	13	23	33	41	49	56	63	69	75	81
		80	8	14	26	37	47	55	64	71	78	85	91
		90	8	16	29	41	52	62	71	79	87	94	101
		100	9	17	32	45	57	68	78	87	95	103	111
		110	10	19	35	49	62	74	84	94	104	112	121
		120	11	20	38	53	67	79	91	102	112	121	130
		130	12	22	40	57	72	85	98	109	120	130	140
		140	12	23	43	61	76	91	104	116	128	139	149
		150	13	25	46	64	81	96	111	124	136	147	158
55	65	20	4	7	12	16	20	22	25	27	29	31	32
		30	6	10	17	23	28	32	35	38	41	43	45
		40	7	13	22	29	35	40	45	48	52	55	58
		50	9	16	27	35	42	48	54	58	62	66	69
		60	10	18	31	41	49	56	62	68	72	77	80
		70	12	21	35	46	56	64	70	76	82	87	91
		80	13	23	39	52	62	71	78	85	91	96	101
		90	14	25	43	57	68	78	86	93	100	106	111
		100	15	27	47	62	74	84	94	101	109	115	121
		110	17	30	50	66	80	91	101	109	117	124	130
		120	18	32	54	71	85	97	108	117	125	133	139
		130	19	34	57	76	91	104	115	124	133	141	148
		140	20	36	60	80	96	110	121	132	141	149	157
		150	21	38	64	84	101	116	128	139	149	157	165
55	70	20	7	12	19	23	27	30	32	34	36	37	39
		30	10	16	26	32	37	41	44	47	49	51	53
		40	12	20	32	40	46	51	55	59	61	64	66
		50	14	24	38	47	55	60	65	69	73	76	78
		60	16	28	43	54	62	69	75	79	83	87	90
		70	18	31	48	61	70	77	83	89	93	97	100
		80	20	34	53	67	77	85	92	98	102	107	111
		90	22	37	58	73	84	93	100	106	111	116	120
		100	24	40	62	78	90	100	108	114	120	125	129
		110	25	43	67	83	96	107	115	122	128	134	138
		120	27	45	71	89	102	113	122	130	136	142	147
		130	28	48	75	94	108	120	129	137	144	150	155
		140	30	50	79	98	114	126	136	144	151	158	163
		150	31	53	82	103	119	132	142	151	159	165	171

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
55	75	20	11	18	26	31	35	37	40	41	43	44	45
		30	15	24	35	42	47	50	53	56	58	60	61
		40	19	29	43	51	57	62	65	68	71	73	75
		50	22	34	50	59	66	72	76	80	82	85	87
		60	25	39	56	67	75	81	86	90	93	96	99
		70	27	43	62	74	83	90	95	100	103	106	109
		80	30	47	68	81	91	98	104	109	113	116	119
		90	32	50	73	88	98	106	112	117	121	125	128
		100	34	54	78	94	105	113	120	125	130	134	137
		110	36	57	83	99	111	120	127	133	138	142	146
		120	38	60	88	105	117	127	134	140	145	150	154
		130	40	63	92	110	123	133	141	147	153	157	161
		140	42	66	96	115	129	139	147	154	160	165	169
		150	44	69	100	120	134	145	154	161	167	172	176
55	80	20	17	25	34	39	43	45	47	49	50	51	52
		30	22	33	44	51	56	59	62	64	66	67	69
		40	27	39	54	62	68	72	75	77	80	81	83
		50	31	45	62	71	78	82	86	89	92	94	95
		60	34	51	69	80	87	92	96	100	102	105	107
		70	38	56	76	87	95	101	106	109	112	115	117
		80	41	60	82	95	103	110	114	118	122	124	127
		90	44	65	88	101	111	117	123	127	130	133	136
		100	46	69	93	108	117	125	130	135	138	141	144
		110	49	72	98	114	124	132	137	142	146	149	152
		120	51	76	103	119	130	138	144	149	153	157	160
		130	54	79	108	125	136	144	151	156	160	164	167
		140	56	83	112	130	142	150	157	162	167	171	174
		150	58	86	117	135	147	156	163	168	173	177	180
60	65	20	2	4	7	10	13	15	17	20	22	24	25
		30	3	6	10	15	19	22	25	29	32	34	37
		40	4	7	14	19	24	29	33	37	41	45	48
		50	5	9	17	23	30	35	41	46	50	55	59
		60	6	11	20	28	35	42	48	54	59	65	70
		70	6	12	23	32	40	48	55	62	68	74	80
		80	7	14	25	36	45	54	62	70	77	84	90
		90	8	15	28	40	50	60	69	78	86	93	100
		100	9	17	31	44	55	66	76	85	94	102	110
		110	10	18	34	48	60	72	83	93	102	111	120
		120	10	20	36	51	65	78	89	100	111	120	129
		130	11	21	39	55	70	83	96	108	119	129	139
		140	12	22	42	59	75	89	103	115	127	138	148
		150	13	24	44	63	79	95	109	122	135	146	158

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
60	70	20	4	7	11	15	19	21	24	26	28	29	31
		30	5	9	16	22	26	30	34	37	39	42	44
		40	7	12	21	28	34	39	43	47	50	53	56
		50	8	15	25	33	40	46	52	56	60	64	68
		60	9	17	29	39	47	54	60	66	70	75	79
		70	11	19	33	44	53	61	68	74	80	85	89
		80	12	21	37	49	59	68	76	83	89	95	100
		90	13	24	40	54	65	75	84	91	98	104	110
		100	14	26	44	59	71	82	91	99	107	113	119
		110	15	28	48	63	77	88	98	107	115	122	129
		120	16	30	51	68	82	94	105	115	123	131	138
		130	17	32	54	72	88	101	112	122	131	139	147
		140	18	33	57	77	93	107	119	129	139	148	155
		150	20	35	61	81	98	113	125	137	147	156	164
60	75	20	6	11	17	22	25	28	30	32	34	36	37
		30	9	15	23	30	35	39	42	45	47	49	51
		40	11	18	29	37	43	48	53	56	59	62	64
		50	13	22	35	44	52	57	62	67	70	73	76
		60	15	25	40	51	59	66	72	76	81	84	87
		70	17	28	45	57	66	74	80	86	90	94	98
		80	18	31	50	63	73	82	89	95	100	104	108
		90	20	34	54	69	80	89	97	103	109	114	118
		100	21	37	58	74	86	96	104	111	117	123	127
		110	23	39	62	79	92	103	112	119	126	131	136
		120	24	42	66	84	98	109	119	127	134	140	145
		130	26	44	70	89	104	116	126	134	141	148	154
		140	27	46	74	94	109	122	132	141	149	156	162
		150	29	49	78	99	115	128	139	148	156	163	170
60	80	20	10	16	23	28	32	35	37	39	41	42	43
		30	13	21	32	38	43	47	50	53	55	57	58
		40	16	26	39	47	53	58	62	65	68	70	72
		50	19	31	46	55	63	68	73	76	79	82	84
		60	22	35	52	63	71	77	82	86	90	93	96
		70	24	39	58	70	79	86	91	96	100	103	106
		80	26	42	63	76	86	94	100	105	109	113	116
		90	28	46	68	83	93	102	108	114	118	122	126
		100	31	49	73	89	100	109	116	122	127	131	135
		110	32	52	78	94	106	116	123	130	135	139	143
		120	34	55	82	100	113	122	130	137	143	147	152
		130	36	58	86	105	118	129	137	144	150	155	159
		140	38	61	90	110	124	135	144	151	157	162	167
		150	40	63	94	115	129	141	150	158	164	170	174

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
65	70	20	2	4	7	10	12	15	17	19	21	23	25
		30	3	5	10	14	18	22	25	28	31	34	36
		40	4	7	13	19	24	28	32	37	40	44	47
		50	4	9	16	23	29	35	40	45	50	54	58
		60	5	10	19	27	34	41	47	53	59	64	69
		70	6	12	22	31	39	47	54	61	67	73	79
		80	7	13	25	35	44	53	61	69	76	83	89
		90	8	15	27	39	49	59	68	77	85	92	99
		100	8	16	30	43	54	65	75	84	93	101	109
		110	9	18	33	46	59	71	82	92	101	110	119
		120	10	19	35	50	64	76	88	99	110	119	129
		130	11	20	38	54	69	82	95	107	118	128	138
		140	11	22	41	58	73	88	101	114	126	137	148
		150	12	23	43	61	78	93	108	121	134	146	157
65	75	20	3	6	11	14	18	20	23	25	27	29	30
		30	5	9	15	21	25	29	32	35	38	41	43
		40	6	11	20	26	32	37	41	45	49	52	55
		50	7	14	24	32	39	45	50	55	59	63	66
		60	9	16	28	37	45	52	58	64	69	73	77
		70	10	18	31	42	51	59	66	72	78	83	88
		80	11	20	35	47	57	66	74	81	87	93	98
		90	12	22	39	52	63	73	81	89	96	102	108
		100	13	24	42	56	69	79	89	97	105	112	118
		110	14	26	45	61	74	86	96	105	113	121	127
		120	15	28	49	65	80	92	103	113	121	129	137
		130	16	30	52	70	85	98	110	120	129	138	146
		140	17	32	55	74	90	104	116	127	137	146	154
		150	18	33	58	78	95	110	123	135	145	154	163
65	80	20	6	10	16	20	23	26	29	31	33	34	36
		30	8	13	22	28	33	37	40	43	45	48	50
		40	10	17	27	35	41	46	50	54	57	60	62
		50	12	20	33	42	49	55	60	64	68	71	74
		60	13	23	37	48	56	63	69	74	78	82	85
		70	15	26	42	54	63	71	78	83	88	92	96
		80	17	29	47	60	70	79	86	92	97	102	106
		90	18	31	51	65	77	86	94	100	106	112	116
		100	20	34	55	71	83	93	101	109	115	121	126
		110	21	36	59	76	89	100	109	116	123	129	135
		120	22	39	63	81	95	106	116	124	131	138	143
		130	24	41	67	85	100	112	123	132	139	146	152
		140	25	43	70	90	106	119	129	139	147	154	160
		150	26	45	74	95	111	125	136	146	154	162	168

Table 57.--Projected sawtimber basal area (BS2) by initial age, final age, and initial total basal area for natural, even-aged stands of longleaf pine in the East Gulf.

Initial age (Years)	Final age	Initial total basal area (Sq. ft.)	Initial sawtimber/total basal area ratio										
			0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
A1	A2	BT1	BS2 (square feet/acre)										
70	75	20	2	4	7	9	12	14	17	19	21	23	25
		30	3	5	10	14	18	21	24	27	30	33	36
		40	4	7	13	18	23	28	32	36	40	43	47
		50	4	8	16	22	28	34	39	44	49	53	58
		60	5	10	18	26	33	40	46	52	58	63	68
		70	6	11	21	30	38	46	53	60	67	73	79
		80	7	13	24	34	43	52	60	68	75	82	89
		90	7	14	27	38	48	58	67	76	84	91	99
		100	8	16	29	42	53	64	74	83	92	101	109
		110	9	17	32	45	58	70	81	91	100	110	118
		120	10	18	35	49	63	75	87	98	109	119	128
		130	10	20	37	53	67	81	94	106	117	128	138
		140	11	21	40	56	72	86	100	113	125	136	147
		150	12	22	42	60	77	92	106	120	133	145	157
70	80	20	3	6	10	14	17	19	22	24	26	28	29
		30	4	8	14	20	24	28	31	34	37	40	42
		40	6	11	19	25	31	36	40	44	48	51	54
		50	7	13	22	30	37	43	49	53	58	62	65
		60	8	15	26	36	44	51	57	62	67	72	76
		70	9	17	30	40	50	58	65	71	77	82	87
		80	10	19	33	45	55	64	72	79	86	92	97
		90	11	21	37	50	61	71	80	87	95	101	107
		100	12	23	40	54	67	77	87	95	103	110	117
		110	13	25	43	59	72	84	94	103	112	119	126
		120	14	27	47	63	77	90	101	111	120	128	135
		130	15	28	50	68	83	96	108	118	128	137	145
		140	16	30	53	72	88	102	114	126	136	145	154
		150	17	32	56	76	93	108	121	133	143	153	162
75	80	20	2	3	6	9	12	14	16	18	20	22	24
		30	3	5	9	13	17	21	24	27	30	33	35
		40	3	7	12	18	22	27	31	35	39	43	46
		50	4	8	15	22	28	33	39	44	48	53	57
		60	5	9	18	26	33	39	46	52	57	63	68
		70	6	11	21	29	38	45	53	59	66	72	78
		80	6	12	23	33	43	51	59	67	75	82	88
		90	7	14	26	37	47	57	66	75	83	91	98
		100	8	15	29	41	52	63	73	82	91	100	108
		110	9	17	31	45	57	69	80	90	100	109	118
		120	9	18	34	48	62	74	86	97	108	118	128
		130	10	19	36	52	66	80	93	105	116	127	137
		140	11	21	39	55	71	85	99	112	124	136	147
		150	11	22	41	59	76	91	105	119	132	144	156

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
20	5	39	45	53	62	73
	10	77	90	106	124	145
	15	116	135	159	185	217
	20	154	180	211	247	289
	25	193	225	264	308	361
	30	231	270	316	370	433
	35	269	315	369	431	504
	40	308	360	421	493	576
25	5	52	61	71	83	97
	10	104	121	142	166	194
	15	155	182	213	249	291
	20	207	242	283	331	387
	25	258	302	354	414	484
	30	310	362	424	496	580
	35	361	423	494	578	677
	40	413	483	565	661	773
	45	464	543	635	743	869
	50	515	603	705	825	965
	55	567	663	776	907	1061
	60	618	723	846	989	1157
	65	669	783	916	1071	1253
	70	721	843	986	1154	1349
	75	772	903	1056	1236	1445
	80	823	963	1126	1318	1541
30	5	63	74	87	101	118
	10	126	148	173	202	236
	15	189	221	259	302	354
	20	252	294	344	403	471
	25	314	368	430	503	588
	30	377	441	516	603	706
	35	439	514	601	703	823
	40	502	587	687	803	940
	45	564	660	772	903	1057
	50	627	733	858	1003	1174
	55	689	806	943	1103	1291
	60	752	879	1029	1203	1408
	65	814	952	1114	1303	1524
	70	876	1025	1199	1403	1641
	75	939	1098	1285	1503	1758
	80	1001	1171	1370	1603	1875
	85	1063	1244	1455	1702	1991

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
30	90	1126	1317	1540	1802	2108
	95	1188	1390	1626	1902	2225
	100	1250	1463	1711	2001	2341
	105	1313	1535	1796	2101	2458
	110	1375	1608	1881	2201	2574
	115	1437	1681	1966	2300	2691
	120	1499	1754	2052	2400	2808
35	5	73	85	100	116	136
	10	145	170	199	232	272
	15	217	254	297	348	407
	20	289	338	396	463	542
	25	361	423	495	579	677
	30	433	507	593	694	812
	35	505	591	691	809	946
	40	577	675	790	924	1081
	45	649	759	888	1039	1215
	50	721	843	986	1154	1350
	55	793	927	1085	1269	1484
	60	864	1011	1183	1384	1619
	65	936	1095	1281	1499	1753
	70	1008	1179	1379	1613	1887
	75	1080	1263	1477	1728	2022
	80	1151	1347	1575	1843	2156
	85	1223	1431	1673	1958	2290
	90	1295	1514	1772	2072	2424
	95	1366	1598	1870	2187	2558
	100	1438	1682	1968	2302	2693
	105	1509	1766	2066	2416	2827
	110	1581	1849	2164	2531	2961
	115	1653	1933	2261	2645	3095
	120	1724	2017	2359	2760	3229
	125	1796	2101	2457	2875	3363
	130	1867	2184	2555	2989	3497
	135	1939	2268	2653	3104	3631
	140	2010	2352	2751	3218	3765
	145	2082	2435	2849	3333	3899
	150	2153	2519	2947	3447	4032
	155	2225	2603	3045	3562	4166
	160	2296	2686	3142	3676	4300
40	10	161	188	220	258	302
	15	241	282	330	386	452
	20	321	376	440	514	602
	25	401	469	549	642	752
	30	481	563	659	770	901

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
40	35	561	656	768	898	1051
	40	641	750	877	1026	1200
	45	721	843	986	1154	1350
	50	800	936	1095	1281	1499
	55	880	1030	1205	1409	1648
	60	960	1123	1314	1537	1798
	65	1040	1216	1423	1664	1947
	70	1119	1309	1532	1792	2096
	75	1199	1402	1641	1919	2245
	80	1278	1496	1750	2047	2394
	85	1358	1589	1858	2174	2543
	90	1438	1682	1967	2301	2692
	95	1517	1775	2076	2429	2841
	100	1597	1868	2185	2556	2990
	105	1676	1961	2294	2683	3139
	110	1756	2054	2403	2811	3288
	115	1835	2147	2511	2938	3437
	120	1915	2240	2620	3065	3586
	125	1994	2333	2729	3192	3734
	130	2074	2426	2838	3319	3883
	135	2153	2519	2946	3447	4032
	140	2232	2612	3055	3574	4181
	145	2312	2704	3164	3701	4329
	150	2391	2797	3272	3828	4478
	155	2471	2890	3381	3955	4627
	160	2550	2983	3490	4082	4775
	165	2629	3076	3598	4209	4924
45	10	175	204	239	280	327
	15	262	306	358	419	490
	20	349	408	477	558	653
	25	435	509	596	697	815
	30	522	611	714	836	978
	35	609	712	833	975	1140
	40	695	813	952	1113	1302
	45	782	915	1070	1252	1464
	50	868	1016	1188	1390	1626
	55	955	1117	1307	1529	1788
	60	1041	1218	1425	1667	1950
	65	1128	1319	1543	1806	2112
	70	1214	1421	1662	1944	2274
	75	1301	1522	1780	2082	2436
	80	1387	1623	1898	2220	2598
	85	1473	1724	2016	2359	2759
	90	1560	1825	2134	2497	2921
	95	1646	1926	2253	2635	3082

able 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
45	100	1732	2027	2371	2773	3244
	105	1819	2127	2489	2911	3406
	110	1905	2228	2607	3049	3567
	115	1991	2329	2725	3187	3729
	120	2077	2430	2843	3325	3890
	125	2164	2531	2961	3463	4052
	130	2250	2632	3079	3601	4213
	135	2336	2733	3197	3739	4374
	140	2422	2833	3315	3877	4536
	145	2508	2934	3432	4015	4697
	150	2594	3035	3550	4153	4859
	155	2681	3136	3668	4291	5020
	160	2767	3237	3786	4429	5181
	165	2853	3337	3904	4567	5342
	170	2939	3438	4022	4705	5504
50	10	187	218	255	299	349
	15	279	327	382	447	523
	20	372	435	509	596	697
	25	465	544	636	744	870
	30	557	652	763	892	1044
	35	650	760	889	1040	1217
	40	742	868	1016	1188	1390
	45	835	976	1142	1336	1563
	50	927	1084	1269	1484	1736
	55	1019	1192	1395	1632	1909
	60	1112	1300	1521	1780	2082
	65	1204	1408	1647	1927	2255
	70	1296	1516	1774	2075	2427
	75	1388	1624	1900	2223	2600
	80	1481	1732	2026	2370	2773
	85	1573	1840	2152	2518	2945
	90	1665	1948	2278	2665	3118
	95	1757	2055	2404	2813	3290
	100	1849	2163	2530	2960	3463
	105	1941	2271	2656	3108	3635
	110	2033	2379	2782	3255	3808
	115	2125	2486	2908	3402	3980
	120	2217	2594	3034	3550	4152
	125	2309	2702	3160	3697	4325
	130	2401	2809	3286	3844	4497
	135	2493	2917	3412	3991	4669
	140	2585	3024	3538	4139	4842
	145	2677	3132	3664	4286	5014

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
50	150	2769	3240	3790	4433	5186
	155	2861	3347	3915	4580	5358
	160	2953	3455	4041	4728	5530
	165	3045	3562	4167	4875	5702
	170	3137	3670	4293	5022	5875
	175	3229	3777	4419	5169	6047
55	15	295	345	403	472	552
	20	393	459	537	628	735
	25	490	573	671	785	918
	30	588	688	804	941	1101
	35	685	802	938	1097	1284
	40	783	916	1071	1253	1466
	45	880	1030	1205	1409	1649
	50	978	1144	1338	1565	1831
	55	1075	1258	1471	1721	2014
	60	1173	1372	1605	1877	2196
	65	1270	1486	1738	2033	2378
	70	1367	1599	1871	2189	2560
	75	1464	1713	2004	2344	2742
	80	1562	1827	2137	2500	2925
	85	1659	1941	2270	2656	3107
	90	1756	2054	2403	2811	3289
	95	1853	2168	2536	2967	3471
	100	1950	2282	2669	3122	3653
	105	2048	2395	2802	3278	3834
	110	2145	2509	2935	3433	4016
	115	2242	2623	3068	3589	4198
	120	2339	2736	3201	3744	4380
	125	2436	2850	3334	3900	4562
	130	2533	2963	3466	4055	4744
	135	2630	3077	3599	4210	4925
	140	2727	3190	3732	4366	5107
	145	2824	3304	3865	4521	5289
	150	2921	3417	3997	4676	5470
	155	3018	3531	4130	4831	5652
	160	3115	3644	4263	4987	5833
	165	3212	3757	4396	5142	6015
	170	3309	3871	4528	5297	6197
	175	3406	3984	4661	5452	6378
	180	3503	4098	4794	5607	6560
60	15	308	360	422	493	577
	20	410	480	562	657	768
	25	513	600	701	820	960
	30	615	719	841	984	1151
	35	717	838	981	1147	1342

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
60	40	819	958	1120	1310	1533
	45	920	1077	1260	1473	1724
	50	1022	1196	1399	1637	1914
	55	1124	1315	1538	1800	2105
	60	1226	1434	1678	1962	2296
	65	1328	1553	1817	2125	2486
	70	1429	1672	1956	2288	2677
	75	1531	1791	2095	2451	2867
	80	1633	1910	2234	2614	3058
	85	1734	2029	2373	2776	3248
	90	1836	2148	2512	2939	3438
	95	1938	2267	2651	3102	3628
	100	2039	2385	2790	3264	3819
	105	2141	2504	2929	3427	4009
	110	2242	2623	3068	3589	4199
	115	2344	2742	3207	3752	4389
	120	2445	2861	3346	3914	4579
	125	2547	2979	3485	4077	4769
	130	2648	3098	3624	4239	4959
	135	2750	3217	3763	4402	5149
	140	2851	3335	3902	4564	5339
	145	2953	3454	4040	4727	5529
	150	3054	3573	4179	4889	5719
	155	3155	3691	4318	5051	5909
	160	3257	3810	4457	5213	6099
	165	3358	3928	4595	5376	6289
	170	3459	4047	4734	5538	6478
	175	3561	4165	4873	5700	6668
	180	3662	4284	5012	5863	6858
	185	3764	4403	5150	6025	7048
65	15	320	374	438	512	599
	20	426	498	583	682	798
	25	532	623	728	852	997
	30	638	747	873	1022	1195
	35	744	870	1018	1191	1393
	40	850	994	1163	1361	1592
	45	956	1118	1308	1530	1790
	50	1062	1242	1453	1699	1988
	55	1167	1365	1597	1869	2186
	60	1273	1489	1742	2038	2384
	65	1379	1613	1887	2207	2582
	70	1484	1736	2031	2376	2779
	75	1590	1860	2176	2545	2977
	80	1695	1983	2320	2714	3175
	85	1801	2107	2464	2883	3372

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
65	90	1906	2230	2609	3052	3570
	95	2012	2354	2753	3221	3768
	100	2117	2477	2898	3390	3965
	105	2223	2600	3042	3558	4163
	110	2328	2724	3186	3727	4360
	115	2434	2847	3330	3896	4557
	120	2539	2970	3475	4065	4755
	125	2644	3093	3619	4233	4952
	130	2750	3217	3763	4402	5149
	135	2855	3340	3907	4571	5347
	140	2960	3463	4051	4739	5544
	145	3066	3586	4195	4908	5741
	150	3171	3710	4339	5076	5938
	155	3276	3833	4484	5245	6136
	160	3382	3956	4628	5413	6333
	165	3487	4079	4772	5582	6530
	170	3592	4202	4916	5750	6727
	175	3697	4325	5060	5919	6924
	180	3803	4448	5204	6087	7121
	185	3908	4571	5348	6256	7318
	190	4013	4694	5492	6424	7515
70	20	440	515	602	704	824
	25	550	643	752	880	1029
	30	659	771	902	1055	1234
	35	768	899	1052	1230	1439
	40	878	1027	1201	1405	1644
	45	987	1155	1351	1580	1848
	50	1096	1282	1500	1755	2053
	55	1206	1410	1650	1930	2257
	60	1315	1538	1799	2105	2462
	65	1424	1666	1948	2279	2666
	70	1533	1793	2098	2454	2871
	75	1642	1921	2247	2628	3075
	80	1751	2048	2396	2803	3279
	85	1860	2176	2545	2977	3483
	90	1969	2303	2694	3152	3687
	95	2078	2431	2843	3326	3891
	100	2187	2558	2992	3501	4095
	105	2296	2685	3142	3675	4299
	110	2405	2813	3291	3849	4503
	115	2513	2940	3440	4024	4707
	120	2622	3068	3588	4198	4911
	125	2731	3195	3737	4372	5114
	130	2840	3322	3886	4546	5318
	135	2949	3449	4035	4720	5522

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
70	140	3058	3577	4184	4895	5726
	145	3166	3704	4333	5069	5929
	150	3275	3831	4482	5243	6133
	155	3384	3958	4631	5417	6337
	160	3492	4086	4779	5591	6540
	165	3601	4213	4928	5765	6744
	170	3710	4340	5077	5939	6947
	175	3819	4467	5226	6113	7151
	180	3927	4594	5374	6287	7354
	185	4036	4721	5523	6461	7558
	190	4145	4848	5672	6635	7761
	195	4253	4975	5820	6809	7965
	200	4362	5103	5969	6983	8168
75	20	453	529	619	724	847
	25	565	661	773	905	1058
	30	678	793	927	1085	1269
	35	790	924	1081	1265	1480
	40	903	1056	1235	1445	1690
	45	1015	1187	1389	1625	1901
	50	1127	1319	1543	1805	2111
	55	1240	1450	1696	1985	2321
	60	1352	1581	1850	2164	2532
	65	1464	1713	2004	2344	2742
	70	1576	1844	2157	2523	2952
	75	1688	1975	2311	2703	3162
	80	1801	2106	2464	2882	3372
	85	1913	2237	2617	3062	3582
	90	2025	2369	2771	3241	3792
	95	2137	2500	2924	3421	4001
	100	2249	2631	3077	3600	4211
	105	2361	2762	3231	3779	4421
	110	2473	2893	3384	3958	4631
	115	2585	3024	3537	4138	4840
	120	2697	3155	3690	4317	5050
	125	2809	3285	3843	4496	5259
	130	2920	3416	3996	4675	5469
	135	3032	3547	4150	4854	5678
	140	3144	3678	4303	5033	5888
	145	3256	3809	4456	5212	6097
	150	3368	3940	4609	5391	6307
	155	3480	4071	4762	5570	6516
	160	3591	4201	4915	5749	6726
	165	3703	4332	5068	5928	6935
	170	3815	4463	5221	6107	7144
	175	3927	4594	5374	6286	7354

Table 58.--Sawtimber stand volume, cubic feet, i.b., (VIS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VIS (cubic feet,i.b.,/acre)				
75	180	4039	4724	5527	6465	7563
	185	4150	4855	5680	6644	7772
	190	4262	4986	5832	6823	7981
	195	4374	5116	5985	7002	8191
	200	4486	5247	6138	7181	8400
80	20	464	543	635	742	868
	25	579	678	793	927	1085
	30	695	812	950	1112	1301
	35	810	947	1108	1296	1517
	40	925	1082	1266	1481	1732
	45	1040	1217	1423	1665	1948
	50	1155	1351	1581	1849	2164
	55	1270	1486	1738	2034	2379
	60	1385	1621	1896	2218	2594
	65	1500	1755	2053	2402	2810
	70	1615	1890	2211	2586	3025
	75	1730	2024	2368	2770	3240
	80	1845	2158	2525	2954	3455
	85	1960	2293	2682	3138	3670
	90	2075	2427	2839	3321	3885
	95	2190	2561	2996	3505	4100
	100	2304	2696	3154	3689	4315
	105	2419	2830	3311	3873	4530
	110	2534	2964	3468	4056	4745
	115	2649	3098	3625	4240	4960
	120	2763	3233	3782	4424	5175
	125	2878	3367	3939	4607	5390
	130	2993	3501	4095	4791	5604
	135	3107	3635	4252	4974	5819
	140	3222	3769	4409	5158	6034
	145	3337	3903	4566	5341	6248
	150	3451	4037	4723	5525	6463
	155	3566	4171	4880	5708	6678
	160	3680	4305	5036	5892	6892
	165	3795	4439	5193	6075	7107
	170	3910	4573	5350	6258	7321
	175	4024	4707	5507	6442	7536
	180	4139	4841	5663	6625	7750
	185	4253	4975	5820	6808	7965
	190	4368	5109	5977	6992	8179
	195	4482	5243	6134	7175	8393
	200	4597	5377	6290	7358	8608

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
20	5	56	64	74	86	99
	10	111	129	149	172	199
	15	167	193	223	258	298
	20	223	258	298	345	398
	25	279	323	373	431	498
	30	335	387	448	517	598
	35	391	452	522	604	698
	40	447	517	597	690	797
25	5	72	83	96	111	128
	10	144	166	192	222	256
	15	216	249	288	333	385
	20	288	333	384	444	513
	25	360	416	481	556	642
	30	432	499	577	667	771
	35	504	583	673	778	900
	40	576	666	770	890	1028
	45	649	750	866	1001	1157
	50	721	833	963	1113	1286
	55	793	916	1059	1224	1415
	60	865	1000	1156	1336	1544
	65	937	1083	1252	1447	1673
	70	1010	1167	1349	1559	1802
	75	1082	1250	1445	1670	1930
	80	1154	1334	1542	1782	2059
30	5	85	98	114	131	152
	10	170	197	227	263	304
	15	256	295	341	395	456
	20	341	394	455	526	608
	25	426	493	570	658	761
	30	512	592	684	790	913
	35	597	690	798	922	1066
	40	683	789	912	1054	1218
	45	768	888	1026	1186	1371
	50	854	987	1141	1318	1524
	55	939	1086	1255	1450	1676
	60	1025	1185	1369	1582	1829
	65	1111	1284	1484	1715	1982
	70	1196	1383	1598	1847	2134
	75	1282	1482	1712	1979	2287
	80	1368	1580	1827	2111	2440
	85	1453	1679	1941	2243	2593

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
30	90	1539	1778	2055	2376	2746
	95	1624	1877	2170	2508	2898
	100	1710	1976	2284	2640	3051
	105	1796	2075	2399	2772	3204
	110	1881	2174	2513	2905	3357
	115	1967	2274	2628	3037	3510
	120	2053	2373	2742	3169	3663
35	5	96	111	128	148	171
	10	192	222	257	297	343
	15	289	333	385	445	515
	20	385	445	514	594	687
	25	481	556	643	743	859
	30	578	668	772	892	1031
	35	674	779	901	1041	1203
	40	771	891	1030	1190	1375
	45	867	1002	1158	1339	1547
	50	964	1114	1287	1488	1720
	55	1060	1226	1416	1637	1892
	60	1157	1337	1546	1786	2064
	65	1254	1449	1675	1935	2237
	70	1350	1561	1804	2085	2409
	75	1447	1672	1933	2234	2582
	80	1544	1784	2062	2383	2754
	85	1640	1896	2191	2532	2926
	90	1737	2007	2320	2681	3099
	95	1834	2119	2449	2831	3271
	100	1930	2231	2578	2980	3444
	105	2027	2343	2708	3129	3617
	110	2124	2454	2837	3278	3789
	115	2220	2566	2966	3428	3962
	120	2317	2678	3095	3577	4134
	125	2414	2790	3224	3726	4307
	130	2511	2902	3354	3876	4479
	135	2607	3013	3483	4025	4652
	140	2704	3125	3612	4175	4825
	145	2801	3237	3741	4324	4997
	150	2898	3349	3870	4473	5170
	155	2994	3461	4000	4623	5343
	160	3091	3573	4129	4772	5515
40	10	210	243	281	325	375
	15	316	365	422	488	564
	20	421	487	563	651	752
	25	527	609	704	814	940
	30	633	731	845	977	1129

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
40	35	738	853	986	1140	1317
	40	844	976	1127	1303	1506
	45	950	1098	1269	1466	1695
	50	1056	1220	1410	1629	1883
	55	1161	1342	1551	1793	2072
	60	1267	1464	1692	1956	2261
	65	1373	1587	1834	2119	2449
	70	1479	1709	1975	2283	2638
	75	1584	1831	2116	2446	2827
	80	1690	1954	2258	2609	3016
	85	1796	2076	2399	2773	3205
	90	1902	2198	2541	2936	3394
	95	2008	2321	2682	3100	3582
	100	2114	2443	2823	3263	3771
	105	2220	2565	2965	3427	3960
	110	2326	2688	3106	3590	4149
	115	2432	2810	3248	3754	4338
	120	2537	2933	3389	3917	4527
	125	2643	3055	3531	4081	4716
	130	2749	3177	3672	4244	4905
	135	2855	3300	3814	4408	5094
	140	2961	3422	3955	4571	5283
	145	3067	3545	4097	4735	5472
	150	3173	3667	4238	4899	5661
	155	3279	3790	4380	5062	5851
	160	3385	3912	4522	5226	6040
	165	3491	4035	4663	5389	6229
45	10	226	261	302	349	403
	15	339	392	453	523	605
	20	452	523	604	698	807
	25	566	654	756	873	1009
	30	679	785	907	1048	1211
	35	792	916	1058	1223	1414
	40	906	1047	1210	1398	1616
	45	1019	1178	1361	1574	1819
	50	1133	1309	1513	1749	2021
	55	1246	1440	1665	1924	2224
	60	1360	1572	1816	2099	2426
	65	1473	1703	1968	2274	2629
	70	1587	1834	2120	2450	2831
	75	1700	1965	2271	2625	3034
	80	1814	2097	2423	2800	3237
	85	1928	2228	2575	2976	3439
	90	2041	2359	2727	3151	3642
	95	2155	2490	2878	3327	3845

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
45	100	2269	2622	3030	3502	4047
	105	2382	2753	3182	3678	4250
	110	2496	2885	3334	3853	4453
	115	2610	3016	3486	4028	4656
	120	2723	3147	3637	4204	4859
	125	2837	3279	3789	4379	5061
	130	2951	3410	3941	4555	5264
	135	3064	3541	4093	4730	5467
	140	3178	3673	4245	4906	5670
	145	3292	3804	4397	5082	5873
	150	3405	3936	4549	5257	6076
	155	3519	4067	4701	5433	6279
	160	3633	4199	4853	5608	6482
	165	3747	4330	5005	5784	6685
	170	3860	4462	5156	5960	6888
50	10	239	276	319	369	426
	15	359	415	479	554	640
	20	479	553	639	739	854
	25	599	692	799	924	1068
	30	718	830	960	1109	1282
	35	838	969	1120	1294	1496
	40	958	1108	1280	1480	1710
	45	1079	1247	1441	1665	1924
	50	1199	1385	1601	1850	2139
	55	1319	1524	1761	2036	2353
	60	1439	1663	1922	2221	2567
	65	1559	1802	2082	2407	2782
	70	1679	1941	2243	2592	2996
	75	1799	2080	2403	2778	3210
	80	1920	2218	2564	2963	3425
	85	2040	2357	2725	3149	3639
	90	2160	2496	2885	3334	3854
	95	2280	2635	3046	3520	4068
	100	2400	2774	3206	3706	4283
	105	2521	2913	3367	3891	4497
	110	2641	3052	3528	4077	4712
	115	2761	3191	3688	4263	4927
	120	2882	3330	3849	4448	5141
	125	3002	3469	4010	4634	5356
	130	3122	3608	4170	4820	5570
	135	3242	3747	4331	5006	5785
	140	3363	3886	4492	5191	6000
	145	3483	4026	4652	5377	6214
	150	3603	4165	4813	5563	6429
	155	3724	4304	4974	5749	6644

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
50	160	3844	4443	5135	5934	6859
	165	3964	4582	5295	6120	7073
	170	4085	4721	5456	6306	7288
	175	4205	4860	5617	6492	7503
55	15	376	434	502	580	670
	20	501	579	670	774	894
	25	627	724	837	968	1118
	30	752	870	1005	1162	1343
	35	878	1015	1173	1356	1567
	40	1004	1160	1341	1550	1791
	45	1130	1306	1509	1744	2015
	50	1255	1451	1677	1938	2240
	55	1381	1596	1845	2132	2464
	60	1507	1742	2013	2326	2689
	65	1633	1887	2181	2521	2913
	70	1759	2033	2349	2715	3138
	75	1884	2178	2517	2909	3362
	80	2010	2323	2685	3104	3587
	85	2136	2469	2853	3298	3811
	90	2262	2614	3022	3492	4036
	95	2388	2760	3190	3687	4261
	100	2514	2906	3358	3881	4485
	105	2640	3051	3526	4075	4710
	110	2766	3197	3695	4270	4935
	115	2892	3342	3863	4464	5160
	120	3018	3488	4031	4659	5384
	125	3144	3633	4199	4853	5609
	130	3270	3779	4368	5048	5834
	135	3396	3925	4536	5242	6059
	140	3522	4070	4704	5437	6284
	145	3648	4216	4873	5631	6509
	150	3774	4362	5041	5826	6733
	155	3900	4507	5209	6021	6958
	160	4026	4653	5378	6215	7183
	165	4152	4799	5546	6410	7408
	170	4278	4944	5714	6604	7633
	175	4404	5090	5883	6799	7858
	180	4530	5236	6051	6994	8083
60	15	391	451	522	603	697
	20	521	602	696	804	929
	25	651	753	870	1006	1162
	30	782	904	1045	1207	1395
	35	913	1055	1219	1409	1628
	40	1043	1206	1394	1611	1861
	45	1174	1357	1568	1812	2095

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
60	50	1305	1508	1743	2014	2328
	55	1435	1659	1917	2216	2561
	60	1566	1810	2092	2418	2794
	65	1697	1961	2267	2620	3028
	70	1828	2112	2441	2822	3261
	75	1959	2264	2616	3023	3494
	80	2089	2415	2791	3225	3728
	85	2220	2566	2966	3427	3961
	90	2351	2717	3140	3629	4195
	95	2482	2868	3315	3831	4428
	100	2613	3020	3490	4034	4662
	105	2744	3171	3665	4236	4895
	110	2875	3322	3840	4438	5129
	115	3005	3474	4015	4640	5362
	120	3136	3625	4189	4842	5596
	125	3267	3776	4364	5044	5830
	130	3398	3928	4539	5246	6063
	135	3529	4079	4714	5448	6297
	140	3660	4230	4889	5651	6531
	145	3791	4382	5064	5853	6764
	150	3922	4533	5239	6055	6998
	155	4053	4684	5414	6257	7232
	160	4184	4836	5589	6459	7465
	165	4315	4987	5764	6662	7699
	170	4446	5139	5939	6864	7933
	175	4577	5290	6114	7066	8167
	180	4708	5442	6289	7268	8400
	185	4839	5593	6464	7471	8634
65	15	403	466	539	623	720
	20	538	622	719	831	960
	25	673	778	899	1039	1201
	30	808	934	1079	1247	1442
	35	943	1090	1259	1456	1682
	40	1078	1246	1440	1664	1923
	45	1213	1402	1620	1872	2164
	50	1348	1558	1800	2081	2405
	55	1483	1714	1981	2289	2646
	60	1618	1870	2161	2498	2887
	65	1753	2026	2342	2706	3128
	70	1888	2182	2522	2915	3369
	75	2023	2339	2703	3124	3610
	80	2159	2495	2883	3332	3851
	85	2294	2651	3064	3541	4092
	90	2429	2807	3244	3750	4334
	95	2564	2963	3425	3958	4575

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
65	100	2699	3120	3606	4167	4816
	105	2835	3276	3786	4376	5057
	110	2970	3432	3967	4585	5299
	115	3105	3589	4148	4794	5540
	120	3240	3745	4328	5002	5781
	125	3376	3901	4509	5211	6023
	130	3511	4058	4690	5420	6264
	135	3646	4214	4870	5629	6506
	140	3782	4370	5051	5838	6747
	145	3917	4527	5232	6047	6988
	150	4052	4683	5413	6256	7230
	155	4188	4840	5593	6465	7471
	160	4323	4996	5774	6673	7713
	165	4458	5153	5955	6882	7954
	170	4594	5309	6136	7091	8196
	175	4729	5465	6317	7300	8437
	180	4864	5622	6497	7509	8679
	185	5000	5778	6678	7718	8920
	190	5135	5935	6859	7927	9162
70	20	553	640	739	854	988
	25	692	800	925	1069	1235
	30	831	960	1110	1283	1482
	35	970	1121	1295	1497	1730
	40	1108	1281	1481	1711	1978
	45	1247	1441	1666	1925	2225
	50	1386	1602	1851	2140	2473
	55	1525	1762	2037	2354	2721
	60	1664	1923	2223	2569	2969
	65	1803	2084	2408	2783	3217
	70	1942	2244	2594	2998	3465
	75	2081	2405	2779	3212	3712
	80	2220	2565	2965	3427	3960
	85	2359	2726	3151	3641	4208
	90	2498	2887	3336	3856	4457
	95	2637	3047	3522	4071	4705
	100	2776	3208	3708	4285	4953
	105	2915	3369	3894	4500	5201
	110	3054	3530	4079	4715	5449
	115	3193	3690	4265	4929	5697
	120	3332	3851	4451	5144	5945
	125	3471	4012	4637	5359	6193
	130	3610	4173	4823	5574	6442
	135	3750	4334	5008	5788	6690
	140	3889	4494	5194	6003	6938
	145	4028	4655	5380	6218	7186

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
70	150	4167	4816	5566	6433	7435
	155	4306	4977	5752	6648	7683
	160	4445	5138	5938	6863	7931
	165	4585	5299	6124	7077	8180
	170	4724	5459	6310	7292	8428
	175	4863	5620	6496	7507	8676
	180	5002	5781	6682	7722	8925
	185	5141	5942	6867	7937	9173
	190	5281	6103	7053	8152	9422
	195	5420	6264	7239	8367	9670
	200	5559	6425	7425	8582	9918
75	20	567	655	757	875	1012
	25	709	820	947	1095	1265
	30	851	984	1137	1314	1519
	35	993	1148	1327	1534	1772
	40	1136	1312	1517	1753	2026
	45	1278	1477	1707	1973	2280
	50	1420	1641	1897	2192	2534
	55	1562	1806	2087	2412	2788
	60	1705	1970	2277	2632	3041
	65	1847	2135	2467	2851	3295
	70	1989	2299	2657	3071	3549
	75	2132	2464	2847	3291	3803
	80	2274	2628	3038	3511	4058
	85	2417	2793	3228	3731	4312
	90	2559	2958	3418	3951	4566
	95	2701	3122	3608	4170	4820
	100	2844	3287	3799	4390	5074
	105	2986	3451	3989	4610	5328
	110	3129	3616	4179	4830	5582
	115	3271	3781	4370	5050	5837
	120	3414	3946	4560	5270	6091
	125	3556	4110	4750	5490	6345
	130	3699	4275	4941	5710	6600
	135	3841	4440	5131	5930	6854
	140	3984	4605	5322	6150	7108
	145	4127	4769	5512	6370	7363
	150	4269	4934	5702	6591	7617
	155	4412	5099	5893	6811	7871
	160	4554	5264	6083	7031	8126
	165	4697	5428	6274	7251	8380
	170	4840	5593	6464	7471	8635
	175	4982	5758	6655	7691	8889
	180	5125	5923	6845	7911	9144
	185	5267	6088	7036	8132	9398

Table 59.--Sawtimber stand volume, cubic feet, o.b., (VOS) for natural, even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	VOS (cubic feet,o.b.,/acre)				
75	190	5410	6253	7226	8352	9653
	195	5553	6417	7417	8572	9907
	200	5695	6582	7607	8792	10162
80	20	579	669	774	894	1033
	25	724	837	967	1118	1292
	30	869	1005	1161	1342	1551
	35	1015	1173	1355	1566	1810
	40	1160	1341	1549	1791	2069
	45	1305	1508	1743	2015	2329
	50	1451	1676	1937	2239	2588
	55	1596	1844	2132	2464	2847
	60	1741	2012	2326	2688	3107
	65	1887	2180	2520	2912	3366
	70	2032	2348	2714	3137	3625
	75	2177	2517	2908	3361	3885
	80	2323	2685	3103	3586	4144
	85	2468	2853	3297	3811	4404
	90	2614	3021	3491	4035	4664
	95	2759	3189	3686	4260	4923
	100	2905	3357	3880	4484	5183
	105	3050	3525	4074	4709	5442
	110	3196	3694	4269	4934	5702
	115	3341	3862	4463	5158	5962
	120	3487	4030	4658	5383	6221
	125	3633	4198	4852	5608	6481
	130	3778	4367	5047	5833	6741
	135	3924	4535	5241	6057	7001
	140	4069	4703	5436	6282	7261
	145	4215	4871	5630	6507	7520
	150	4361	5040	5825	6732	7780
	155	4506	5208	6019	6957	8040
	160	4652	5376	6214	7181	8300
	165	4798	5545	6408	7406	8560
	170	4943	5713	6603	7631	8820
	175	5089	5881	6797	7856	9079
	180	5235	6050	6992	8081	9339
	185	5380	6218	7187	8306	9599
	190	5526	6387	7381	8531	9859
	195	5672	6555	7576	8756	10119
	200	5817	6723	7770	8981	10379

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
20	5	206	249	302	367	444
	10	417	506	614	744	902
	15	631	765	928	1125	1364
	20	847	1027	1245	1509	1830
	25	1063	1289	1563	1895	2298
	30	1281	1553	1883	2283	2767
	35	1499	1818	2204	2672	3239
	40	1718	2083	2525	3062	3712
25	5	278	337	408	495	600
	10	563	683	828	1004	1217
	15	852	1033	1253	1519	1841
	20	1143	1386	1680	2037	2470
	25	1436	1740	2110	2558	3101
	30	1729	2096	2542	3081	3736
	35	2024	2454	2975	3606	4372
	40	2319	2812	3409	4133	5011
	45	2616	3171	3845	4661	5651
	50	2913	3531	4281	5190	6292
	55	3210	3892	4718	5720	6935
	60	3508	4253	5157	6252	7579
	65	3807	4616	5596	6784	8225
	70	4106	4978	6035	7317	8871
	75	4406	5341	6476	7851	9518
	80	4706	5705	6917	8385	10166
30	5	339	411	499	604	733
	10	688	834	1012	1226	1487
	15	1041	1262	1530	1855	2249
	20	1396	1693	2052	2488	3016
	25	1753	2126	2577	3125	3788
	30	2112	2561	3104	3764	4563
	35	2472	2997	3633	4405	5340
	40	2833	3434	4164	5048	6120
	45	3195	3873	4696	5693	6902
	50	3558	4313	5229	6339	7686
	55	3921	4754	5763	6987	8471
	60	4285	5195	6298	7636	9258
	65	4650	5637	6835	8286	10046
	70	5015	6080	7372	8937	10835
	75	5381	6524	7909	9589	11626
	80	5748	6968	8448	10242	12417
	85	6115	7413	8987	10896	13210

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
30	90	6482	7858	9527	11550	14003
	95	6850	8304	10068	12206	14798
	100	7218	8751	10609	12862	15593
	105	7586	9197	11151	13519	16389
	110	7955	9645	11693	14176	17186
	115	8325	10092	12236	14834	17984
	120	8694	10540	12779	15493	18783
35	5	391	474	575	697	845
	10	794	962	1167	1415	1715
	15	1201	1456	1765	2140	2594
	20	1611	1953	2367	2870	3480
	25	2023	2452	2973	3604	4370
	30	2436	2954	3581	4342	5264
	35	2852	3457	4191	5081	6160
	40	3268	3962	4803	5823	7060
	45	3685	4468	5417	6567	7962
	50	4104	4975	6032	7313	8866
	55	4523	5484	6648	8060	9772
	60	4943	5993	7266	8809	10679
	65	5364	6503	7884	9558	11588
	70	5786	7014	8504	10310	12499
	75	6208	7526	9124	11062	13411
	80	6630	8038	9745	11815	14324
	85	7054	8552	10368	12569	15238
	90	7477	9065	10990	13324	16154
	95	7902	9580	11614	14080	17070
	100	8326	10094	12238	14837	17988
	105	8751	10610	12863	15595	18906
	110	9177	11126	13489	16353	19826
	115	9603	11642	14115	17112	20746
	120	10029	12159	14741	17872	21667
	125	10456	12677	15369	18632	22589
	130	10883	13194	15996	19393	23512
	135	11311	13712	16624	20155	24435
	140	11738	14231	17253	20917	25359
	145	12166	14750	17882	21680	26284
	150	12595	15269	18512	22443	27209
	155	13023	15789	19142	23207	28135
	160	13452	16309	19773	23971	29062
40	10	884	1071	1299	1575	1909
	15	1337	1621	1965	2382	2888
	20	1793	2174	2635	3195	3873
	25	2251	2730	3309	4012	4864
	30	2712	3288	3986	4833	5859

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
40	35	3174	3848	4665	5656	6857
	40	3638	4410	5347	6482	7858
	45	4102	4973	6030	7310	8862
	50	4568	5538	6714	8140	9869
	55	5035	6104	7400	8972	10877
	60	5502	6671	8087	9805	11887
	65	5971	7239	8776	10640	12899
	70	6440	7807	9465	11476	13913
	75	6910	8377	10156	12313	14928
	80	7380	8948	10848	13151	15944
	85	7851	9519	11540	13991	16962
	90	8323	10091	12233	14831	17981
	95	8795	10663	12927	15673	19001
	100	9268	11236	13622	16515	20022
	105	9741	11810	14318	17358	21045
	110	10215	12384	15014	18203	22068
	115	10689	12959	15711	19047	23092
	120	11164	13534	16409	19893	24118
	125	11639	14110	17107	20739	25144
	130	12114	14687	17805	21587	26171
	135	12590	15263	18505	22434	27199
	140	13066	15841	19204	23283	28227
	145	13542	16418	19905	24132	29257
	150	14019	16996	20606	24981	30287
	155	14496	17575	21307	25832	31317
	160	14974	18154	22009	26683	32349
	165	15452	18733	22711	27534	33381
45	10	960	1164	1412	1711	2075
	15	1453	1761	2135	2589	3139
	20	1949	2362	2864	3472	4210
	25	2447	2967	3597	4361	5287
	30	2948	3574	4333	5253	6368
	35	3450	4183	5071	6148	7453
	40	3954	4793	5811	7045	8541
	45	4459	5406	6554	7945	9633
	50	4965	6019	7298	8847	10726
	55	5472	6634	8043	9751	11822
	60	5980	7251	8790	10657	12920
	65	6490	7868	9539	11564	14020
	70	7000	8486	10288	12473	15122
	75	7510	9105	11039	13383	16225
	80	8022	9725	11790	14294	17330
	85	8534	10346	12543	15207	18436
	90	9046	10967	13297	16120	19543
	95	9560	11590	14051	17035	20652

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
45	100	10073	12213	14806	17950	21762
	105	10588	12836	15562	18867	22874
	110	11103	13460	16319	19784	23986
	115	11618	14085	17076	20703	25099
	120	12134	14711	17835	21622	26214
	125	12650	15337	18593	22542	27329
	130	13167	15963	19353	23463	28445
	135	13684	16590	20113	24384	29562
	140	14201	17217	20873	25306	30680
	145	14719	17845	21635	26229	31799
	150	15238	18473	22396	27153	32919
	155	15756	19102	23159	28077	34039
	160	16275	19731	23921	29001	35160
	165	16794	20361	24685	29927	36282
	170	17314	20991	25448	30853	37405
50	10	1027	1245	1509	1829	2218
	15	1553	1883	2283	2767	3355
	20	2083	2525	3062	3712	4500
	25	2616	3171	3845	4661	5651
	30	3151	3820	4631	5615	6807
	35	3688	4471	5420	6571	7967
	40	4226	5124	6212	7531	9130
	45	4766	5778	7005	8493	10297
	50	5307	6434	7801	9457	11466
	55	5850	7092	8598	10424	12637
	60	6393	7750	9396	11392	13811
	65	6937	8410	10196	12361	14987
	70	7482	9071	10997	13333	16164
	75	8028	9733	11800	14306	17343
	80	8575	10396	12603	15280	18524
	85	9122	11059	13408	16255	19707
	90	9670	11724	14213	17232	20891
	95	10219	12389	15020	18209	22076
	100	10768	13055	15827	19188	23263
	105	11318	13721	16635	20168	24451
	110	11868	14388	17444	21148	25640
	115	12419	15056	18254	22130	26830
	120	12970	15725	19064	23113	28021
	125	13522	16394	19875	24096	29213
	130	14075	17063	20687	25080	30406
	135	14627	17734	21499	26065	31600
	140	15180	18404	22313	27051	32795
	145	15734	19075	23126	28037	33991
	150	16288	19747	23940	29024	35188
	155	16842	20419	24755	30012	36386

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
50	160	17397	21092	25571	31001	37584
	165	17952	21765	26387	31990	38783
	170	18508	22438	27203	32980	39983
	175	19063	23112	28020	33970	41184
55	15	1640	1988	2411	2922	3543
	20	2200	2667	3233	3920	4752
	25	2762	3349	4060	4923	5968
	30	3328	4034	4891	5929	7189
	35	3895	4722	5724	6940	8414
	40	4463	5411	6560	7953	9642
	45	5033	6102	7398	8969	10874
	50	5605	6795	8238	9987	12108
	55	6177	7489	9080	11008	13346
	60	6751	8185	9923	12030	14585
	65	7326	8882	10768	13054	15827
	70	7902	9580	11614	14080	17070
	75	8478	10278	12461	15108	18316
	80	9055	10978	13310	16136	19563
	85	9633	11679	14159	17166	20812
	90	10212	12381	15010	18198	22062
	95	10792	13083	15862	19230	23314
	100	11372	13786	16714	20264	24567
	105	11952	14490	17568	21298	25821
	110	12533	15195	18422	22334	27077
	115	13115	15900	19277	23371	28334
	120	13698	16606	20133	24408	29592
	125	14280	17313	20989	25447	30851
	130	14864	18020	21847	26486	32111
	135	15447	18728	22705	27526	33372
	140	16032	19436	23563	28567	34634
	145	16616	20145	24423	29609	35897
	150	17201	20854	25283	30652	37161
	155	17787	21564	26143	31695	38426
	160	18372	22274	27004	32739	39691
	165	18959	22985	27866	33783	40958
	170	19545	23696	28728	34829	42225
	175	20132	24407	29591	35875	43493
	180	20719	25119	30454	36921	44762
60	15	1716	2081	2523	3058	3708
	20	2302	2791	3384	4102	4973
	25	2891	3505	4249	5152	6246
	30	3482	4222	5118	6205	7523
	35	4076	4941	5990	7263	8805
	40	4671	5663	6865	8323	10091
	45	5267	6386	7742	9386	11380

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
60	50	5865	7111	8621	10452	12672
	55	6465	7838	9502	11520	13966
	60	7065	8566	10385	12590	15263
	65	7667	9295	11269	13662	16563
	70	8269	10025	12154	14735	17864
	75	8872	10756	13041	15810	19168
	80	9476	11489	13929	16887	20473
	85	10081	12222	14818	17965	21780
	90	10687	12957	15708	19044	23088
	95	11293	13692	16599	20124	24398
	100	11900	14428	17492	21206	25709
	105	12508	15164	18385	22289	27022
	110	13116	15902	19279	23373	28336
	115	13725	16640	20174	24458	29651
	120	14335	17379	21069	25543	30968
	125	14944	18118	21966	26630	32285
	130	15555	18858	22863	27718	33604
	135	16166	19599	23761	28807	34924
	140	16777	20340	24659	29896	36245
	145	17389	21082	25559	30986	37566
	150	18001	21824	26458	32077	38889
	155	18614	22567	27359	33169	40213
	160	19227	23310	28260	34261	41537
	165	19840	24054	29162	35355	42862
	170	20454	24798	30064	36448	44189
	175	21068	25543	30967	37543	45516
	180	21683	26288	31870	38638	46843
	185	22298	27033	32774	39734	48172
65	15	1784	2162	2622	3178	3853
	20	2392	2900	3516	4263	5168
	25	3004	3642	4416	5354	6490
	30	3619	4387	5319	6449	7818
	35	4235	5135	6225	7547	9150
	40	4854	5885	7134	8649	10486
	45	5474	6636	8046	9754	11826
	50	6095	7390	8959	10862	13168
	55	6718	8145	9875	11972	14514
	60	7342	8901	10792	13083	15862
	65	7967	9659	11710	14197	17212
	70	8593	10418	12631	15313	18565
	75	9220	11178	13552	16430	19919
	80	9848	11939	14475	17549	21275
	85	10477	12702	15399	18669	22634
	90	11106	13465	16324	19791	23993
	95	11736	14229	17250	20913	25355

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
65	100	12367	14993	18177	22038	26717
	105	12999	15759	19106	23163	28082
	110	13631	16525	20035	24289	29447
	115	14263	17292	20965	25417	30814
	120	14897	18060	21895	26545	32182
	125	15530	18828	22827	27674	33551
	130	16165	19598	23759	28805	34922
	135	16800	20367	24692	29936	36293
	140	17435	21137	25626	31068	37666
	145	18071	21908	26561	32201	39039
	150	18707	22680	27496	33335	40414
	155	19344	23452	28432	34470	41789
	160	19981	24224	29368	35605	43166
	165	20618	24997	30305	36741	44543
	170	21256	25770	31243	37878	45921
	175	21895	26544	32181	39015	47300
	180	22533	27318	33120	40153	48680
	185	23172	28093	34059	41292	50061
	190	23812	28868	34999	42431	51442
70	20	2473	2998	3634	4406	5342
	25	3105	3764	4564	5533	6708
	30	3740	4534	5497	6665	8080
	35	4377	5307	6434	7800	9457
	40	5017	6082	7373	8939	10838
	45	5657	6859	8315	10081	12222
	50	6300	7638	9260	11226	13610
	55	6943	8418	10206	12373	15000
	60	7588	9200	11153	13522	16394
	65	8234	9983	12103	14673	17789
	70	8881	10767	13054	15826	19187
	75	9529	11553	14006	16981	20587
	80	10178	12340	14960	18137	21989
	85	10828	13127	15915	19295	23392
	90	11478	13916	16871	20454	24798
	95	12130	14705	17828	21614	26204
	100	12782	15496	18787	22776	27613
	105	13434	16287	19746	23939	29023
	110	14088	17079	20706	25103	30434
	115	14741	17872	21667	26269	31847
	120	15396	18665	22629	27435	33261
	125	16051	19460	23592	28602	34676
	130	16707	20254	24556	29770	36092
	135	17363	21050	25520	30939	37510
	140	18019	21846	26485	32110	38928
	145	18676	22643	27451	33280	40348

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
70	150	19334	23440	28417	34452	41769
	155	19992	24238	29385	35625	43190
	160	20650	25036	30353	36798	44613
	165	21309	25835	31321	37972	46036
	170	21969	26634	32290	39147	47461
	175	22628	27434	33260	40323	48886
	180	23289	28234	34230	41499	50312
	185	23949	29035	35201	42676	51739
	190	24610	29836	36172	43854	53166
	195	25271	30638	37144	45032	54595
	200	25933	31440	38116	46211	56024
75	20	2544	3085	3740	4534	5496
	25	3195	3873	4696	5693	6902
	30	3849	4666	5657	6858	8314
	35	4504	5461	6620	8026	9731
	40	5162	6258	7587	9198	11152
	45	5821	7058	8556	10373	12576
	50	6482	7859	9528	11551	14004
	55	7145	8662	10501	12731	15435
	60	7808	9466	11477	13914	16869
	65	8473	10272	12454	15098	18305
	70	9139	11079	13432	16285	19743
	75	9805	11888	14412	17473	21183
	80	10473	12697	15394	18663	22626
	85	11142	13508	16376	19854	24070
	90	11811	14319	17360	21047	25516
	95	12481	15132	18345	22241	26964
	100	13152	15945	19331	23436	28413
	105	13824	16759	20318	24633	29864
	110	14496	17574	21306	25831	31316
	115	15169	18390	22295	27030	32770
	120	15842	19206	23285	28230	34225
	125	16516	20024	24276	29431	35681
	130	17191	20841	25267	30633	37138
	135	17866	21660	26260	31836	38597
	140	18542	22479	27253	33040	40057
	145	19218	23299	28247	34245	41517
	150	19894	24119	29241	35451	42979
	155	20571	24940	30236	36657	44442
	160	21249	25762	31232	37865	45906
	165	21927	26583	32229	39073	47371
	170	22605	27406	33226	40282	48836
	175	23284	28229	34224	41491	50303
	180	23964	29052	35222	42702	51770
	185	24643	29876	36221	43913	53238

Table 60.--Sawtimber stand volume, (BF, International 1/4-inch rule), for natural,even-aged longleaf pine in the East Gulf given stand age, site index, and sawtimber basal area.

Age (Years)	Sawtimber basal area (Sq. ft.)	Site index (Ft.) 50	60	70	80	90
A	BS	BF (board feet/acre)				
75	190	25323	30701	37220	45125	54707
	195	26004	31526	38221	46337	56177
	200	26684	32351	39221	47550	57648
80	20	2609	3163	3834	4648	5636
	25	3276	3972	4815	5837	7077
	30	3946	4784	5800	7031	8525
	35	4618	5599	6788	8230	9977
	40	5293	6417	7779	9431	11434
	45	5969	7236	8773	10636	12895
	50	6646	8058	9769	11844	14359
	55	7326	8881	10767	13054	15826
	60	8006	9706	11767	14266	17296
	65	8687	10532	12769	15481	18768
	70	9370	11360	13772	16697	20243
	75	10054	12189	14777	17915	21720
	80	10738	13019	15783	19135	23199
	85	11424	13850	16791	20357	24680
	90	12110	14682	17800	21580	26162
	95	12797	15515	18810	22804	27647
	100	13485	16349	19821	24030	29133
	105	14174	17183	20833	25257	30620
	110	14863	18019	21846	26485	32109
	115	15553	18855	22860	27714	33600
	120	16243	19693	23875	28945	35091
	125	16934	20531	24890	30176	36584
	130	17626	21369	25907	31409	38079
	135	18318	22208	26924	32642	39574
	140	19011	23048	27943	33877	41071
	145	19704	23889	28962	35112	42568
	150	20398	24730	29981	36348	44067
	155	21092	25571	31002	37585	45567
	160	21787	26414	32023	38823	47068
	165	22482	27256	33045	40062	48570
	170	23178	28100	34067	41302	50072
	175	23874	28944	35090	42542	51576
	180	24570	29788	36114	43783	53081
	185	25267	30633	37138	45025	54586
	190	25964	31478	38163	46267	56092
	195	26662	32324	39188	47510	57599
	200	27360	33170	40214	48754	59107

METRIC CONVERSION FACTORS

1 inch = 2.54 cm
1 foot = 0.3048 m
1 sq.ft. = 0.0929 sq.m
1 cu.ft. = 0.02832 cu.m

1 acre = 0.4047 ha
1 sq.ft./ac. = 0.2296 sq.m/ha
1 cu.ft./ac. = 0.006998 cu.m/ha
1 lb./cu.ft./ac. = 39.5774 kg/cu.m/ha

Farrar, Robert M., Jr. Volume and growth predictions for thinned even-aged natural longleaf pine stands in the east Gulf area. Res. Pap. SO-220. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station; 1985. 171 p.

A system of equations and resulting tables is presented for predicting current and future volumes for thinned even-aged naturally regenerated longleaf pine stands.

Additional keywords; *Pinus palustris;* growth, yield, production.

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