RECORD

~~CAMP BEAUTIFICATION FUND~~

~~&~~

~~GAME PRESERVATION FUND~~

Forestry Survey of Camp Lejeune

Started 15 November 1945.

Camp Lejeune

Total Acreage (incl. water) -- 111,154.91 (approximate)
Acreage Under Water --- 26,000 (approximate)
Land Acreage ----- 85,154.91
Land Acreage exclusive of
Midway Park area --- 84,629.31 (incl. RR right-of-way)

Unit Subdivision

1. Northeast Cr-Wallace Cr Unit

Total Acreage ---- 4425
Acreage suited to timber production -- 2930
Acreage not suited to timber production -- 95
Acreage reserved for other Uses -- 1400

2. Duck Cr Unit

Total Acreage - 4542
Acreage suited to timber production -- 4542
Acreage not suited to timber production -- 0
Acreage reserved for other uses -- 0
Acreage barren from fire --- 824
Acreage producing timber at the
present time -- 3,718

3. Sneads Ferry Rd Unit

Total Acreage — 5,675 Acres

Acreage suited to timber prod --

Acreage not suited to timber prod -- 325 Approx. Pocosin Area

Acreage reserved for other uses -- 0

Acreage badly burned - - - - 53

4. Wallace Cr - French Cr Unit

Total Acreage --- ~~4,664~~ 4,809

Acreage ~~[illegible]~~ Suited to Timber Prod -- ~~2455~~ 2504

Acreage not suited to timber Prod -- 0

Acreage reserved for other uses --- ~~2204~~ 2305

See Individual Units for remainder of figures.

Northeast Cr – Wallace Cr Unit

Acreages:

Total Acreage ---- 4425

Acreage not suited to timber prod -- 95

Acreage reserved for other uses -- 1400

Acreage suited to timber Production -- 2930

Acres Pine ---- 2673 (includes 585 A cutover)

Acres Hardwood -- 257 (incl. 8 A. pure Juniper)

(incl. 2 A. pure Cypress)

Types:

Pine ---- All Loblolly (Pinus Taeda)

Hdwd ---- 50% white & Red Oak.

--- 30% Black Gum (Tupelo)

--- 20% Mixture of Red Gum, Hickory, Yellow Poplar etc. Juniper (white Cedar), Red Cedar & Cypress

Present Volumes:* *Form Class Used

Pine --- 82 (From 93 samples)

Hdwd --- 78 (" 23 ")

Pine (on 2673 Acres) Board Foot Vol. (10 in DBH & up)

Scribner Rule

Total B.F. Vol (Scribner) --- 7,846,400 B.F.

Per Acre " " " --- 2,935 B.F./Acre

Best 200 Acres

Total Vol ---- 1,500,000 B.F.

Per Acre ---- 7,500 B.F./Acre

Doyle Rule

Total B.F. Volume (Doyle) --- 5,062,350
B.F. Vol Per Acre --- 1,890 BF/Acre
Best 200 Acres
Total Vol -- 951,940
Per Acre --- 4,760 BF/Ac

Pine (2673 Acres) Cubic Vol. (8 in DBH & Up)

Total Cu ft ---- 1,412,971
Total Cords ---- 15,700
Cords / acre ---- 5.9
Best 200 Acres – (8 in DBH + up)
Total --- 272,696 Cu ft
" --- 3,030 Cords
Per Acre --- 15.2 Cords
Best 200 Acres (8 to 11 in DBH)
Total ---- 101,791 Cu ft
" ---- 1,130 Cords
Per Acre ---- 5.6 Cords

Hardwood (257 Acres) Board Foot Vol. (10 in DBH+up)

Total B.F. Volume (Scribner) --- 1,622,500 BF
Per Acre ---------- 6,310 BF/Acre

Total B.F. Volume (Doyle) --- 1,167,760 BF.
Per Acre ---------- 4,540 BF/Ac

Hardwood (257 Acres) Cu ft. Volume (8 in DBH & up)

Total Cu ft	- - - -	254,638 Cu ft
" Cords	- - - -	2,830 cords
Per Acre	- - - -	11 cords

Total Vol on Acreage suited to timbe prod. (2930 Acres)
(Pine and Hardwood)

B.F. Scribner

Total	- - -	9,468,900 B.F.
Per Acre	- - -	3,230

B F Doyle

Total	- - - -	6,230,110
Per Acre	- - - -	2,130

Cubic Vol

Total	- - - -	1,667,609 Cu ft
Total Cords	- - - -	18,528 cords
Per Acre	- - - -	6.3 cords

Cypress - 5,000 BF Total in square 13.

Doyle is 65.7 % - 35 % more vol by Scrib. than by Doyle.

Volumes (Summary)

366 acres @ 5 M or more per acre
599 acres @ 2.9 M to 4.9 M per acre
1965 acres @ 0 M to 2.9 M per acre

1 Sample acre marked for thinning yielded 5.3 cords/Ac. of pulpwood.

Growth Studies

Present Age averages 25 to 35 years - 10 to 12 in diam.
Average growth on area is .4 inch per yr per tree.
Growth falls off at 31 yrs. age, ave. 14 in DBH.
Cutting Cycles - 15 yrs.
Rotation - 45 yrs.
Cutting limit - not under ~~12~~ 14 inches.
Growth - 330 BF per Acre per yr.
" 1.2 Cords " " " "
Total Growth - present - 500,000 BF/yr
(when stocked) future - 800,000 BF/yr.
Logging must be selective.

Duck Cr. Unit

Acreages:

Total Acreage: - - - - - 4,542

Acreage Denuded by fire -- 824

Acreage ~~Reserved for~~ o.k. other Uses -- 0

Acreage suited to timber production -- 4,542 → This

Acreage producing timber at present time -- 3,718

(Incl. 824 Acres burned with no timber at all).

Acres pine - - - - 3,533 (Incl 870 A. cutover)

Acres Longleaf + Loblolly -- 900

Acres Pure Loblolly -- 2,633

Acres hardwood - - - 185

TYPES:

Pine - - - *25% Longleaf - Loblolly

75% Pure Loblolly

Hardwood -- 50% Black Gum (Tupelo)

30% Red Gum

20% Mixture of oaks, hickory,

* almost all long leaf pine is pole or reproductive stage.

Present Volumes:

Pine Timber (on ~~4,357~~ 3,533 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total B.F. Vol (~~Scribner~~ - - - 10,106,500

Per Acre Vol - - - 2,860 BF

Best 300 Acres Total Vol -- 1,191,060 BF

Per Acre -- 5,960

Cubic Volume (8 in DBH + up)

Total Cubic Feet	---	1,682,100
Total Cords	---	18,690
Cords per Acre	---	5.3

Best 200 Acres

Total	---	210,479 cu ft
Total	--	2,339 cords
Per Acre	--	11.7 cords

Hardwood Timber (on ~~170~~ 185 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH + up)

Total Board Foot Volume	--	604,450
Per Acre Vol	---	3,270

Cubic Volume (8 in DBH + up)

Total Cubic Feet	---	91,286
Total Cords	---	1,014
Cords per Acre	--	5.5

Total Pine and Hardwood Timber (on 3718 Acres)

Board Foot Vol by Scrib. log Rule (10 in DBH + up)

Total Board Foot Volume	--	10,510,950
Per Acre	--	2,830

Cubic Volume (8 in DBH + up)

Total Cubic Feet	---	1,773,386 ~~91,286~~
Total Cords	---	19,704 ~~1,014~~
Cords Per Ac	---	5.3

Growth and Future Volume

Sneads Ferry Road Unit

Acreages:

Total Acreage - - - 5,675 acres

Acreage not suited to timber prod - - Approx ~~[illegible]~~ A. (Pocosin Area) 946

Acreage reserved for other uses - - 0

Acreage suited to timber production - - ~~[illegible]~~ 4,729 (Incl. 53 acres burn)

Acreage badly burned - - - 53

Acreage producing timber at present time - ~~5297~~ 4676

Acres pine - 4,646 (Incl. 1,000 Ac. cutover)

*Acres longleaf & loblolly ~~[illegible]~~ 2264

Acres pure loblolly 1,097

Acres pure longleaf - - ~~[illegible]~~ 1285

Acres hardwood 30

~~5297~~

* The % varies from 80% Loblolly, 20% Longleaf to 80% Longleaf, 20% Loblolly. See map for approximate ~~[illegible]~~ Percentages.

Forest Types:

Pine - - - - 50% Longleaf-Loblolly mixture.
25% Pure Loblolly
25% Pure Longleaf

Hardwood - - - 40% Black Gum (Tupelo)
40% Red Gum
20% Mixture of white oak, red oak, yellow poplar and maple.

Present Volumes now Standing

Pine Timber (on 4,646 acres)

Board Foot Volume by Scribner Log Rule (10 inches DBH and up)

Total Board Foot Volume	4,273,600
Per Acre Volume	920
Best 200 acres	
Total Volume	459,100 BF
Per Acre	2,300 BF

Cubic Volume (8 inches DBH + up)

Total cubic feet	815,560.0
Total cords	9,060
Cords per acre	2.0

Hardwood Timber (on 30 acres)

Board Foot Volume by Scribner Log Rule (10 inches DBH + up)

Total Board Foot Volume	14,590
Per Acre Volume	500

Cubic Volume (8 inches DBH + up)

Total cubic feet	2424.7
Total cords	~~26.9~~ 30.0
Cords Per Acre	1 cord

Total Pine and Hardwood Timber (on 4676 acres)

Board Foot Volume by Scribner Log Rule (10 inches DBH up)

Total Board Foot Volume	--	4,288,190
Per Acre Volume	--	920

Cubic Volume (8 inches DBH and up)

Total Cubic Feet	--	817,984.7
Total Cords	--	9,090
Per Acre	--	1.9

Growth and Future Volume

Slow, white sand area

Growth, 110 BF/Ac for longleaf & mixed on areas with over 600 BF/Ac present volume.

Loblolly produces 150 BF/Ac/yr.

Volume added - present - 400,900 BF/yr

Future Volume - 900,000 BF after next 20 yrs.

Thick stands - 13 yrs age - growing .22 in dbh yearly

Older, more open - 25 yrs age - " .33 " " "

Growth continues 50 to 60 yrs, stops at 75 yrs

Loblolly grows faster than Longleaf when associated ~~with~~ together

Game Preservation Fund		$8000.00

Wallace Cr - Tr Cr Unit

Acreages:

Total Acreage - - - 4,809

Acreage not suited to timber prod - - 0

Acreage reserved for other uses - - 2,305

Acreage suited to timber production - - 2,504

Acres pine - - 1908 (Inc 1600 *

Acres pure Loblolly - - 1271 Acres cutover)

Acres Loblolly + Longleaf - - 637

Acres Hardwood - - - - 596

* Almost the whole area has been cutover in recent years removing most of the merchantable volume.

Forest Types:

Pine - - - 35% Loblolly + Longleaf mixture

65% Pure Loblolly

Hardwood - - - - - 80% Black ~~& Red~~ Gum

30% Red Gum

30% Red and white oak.

10% Mixture of yellow poplar, maple, ash and hickory.

Present Volumes Now Standing

Pine Timber (on 1908 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	3,129,100
Per Acre Volume	1,640
Best 200 acres	
Total Volume	528,800
Per Acre	2,640

Cubic Volume (8 inches DBH and up)

Total Cubic Feet	58,731.4.0.
Total Cords	6,530 cords
Cords per Acre	3.4 C/Ac.

Hardwood Timber (on 596 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	476,800
Per Acre Volume	800

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	75,096.0 cuft
Total Cords	83.44 C
Cords Per Acre	1.4

Total Pine and Hardwood Timber (on 2504 Ac)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	--	3,605,900
Per Acre Volume	--	1,440

Cubic Volume (8 inches DBH and up)

Total cubic feet	--	662,410.0
Total cords	--	7,360.0
Per Acre	--	2.9 c/Ac.

Growth and Future Volume

Good, young timber in pole & emergence stage.
Growth averages 200 BF/Ac presently, due to small tree size.
Present, 380,000 BF added to unit yearly.
20 years from now, 700,000 BF added yearly.
Fair grade, some excess limbiness
Mixed oak-pine areas showing excellent growth.
Low areas have cedar pole & juniper poles.

SOUTHWEST CREEK UNIT

Acreages:

Total Acreage - - 4,727

Acreage Reserved for other Uses - 120

Acreage Producing Timber - 4,607

Acres Pine - - - 3,902 Inc 580 Cutover

Acres Longleaf & Loblolly - 442

Acres Pure Loblolly - 3460

Acres Hardwood - - 705

Forest Types:

Pine - - - - % Loblolly Longleaf Mixture

% Pure Loblolly.

Hardwood - - - 70% Black & Red Gum

20% Red & White Oak

10% Mixture of yellow poplar, maple, ash & hickory

Present Volumes Now Standing

Pine Timber (on 3,902 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	—	7,199,000
Per Acre Volume	—	1,850
Best 200 Acres		
Total Volume	—	825,600
Per Acre	—	4,130#

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	—	1,300,524
Total Cords	—	14,450
Cords per Acre	—	3.7

Hardwood Timber (on 705 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	— —	2,791,800
Per Acre Volume	— —	3,960

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	— —	456,840
Total Cords	— —	5,076
Cords per Acre	— —	~~5,076~~ 7.2

Total Pine and Hardwood Timber (on 4607 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	— —	9,990,800 ~~7,478,180~~
Per Acre Volume	— —	~~1,6~~ 2,170

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	— —	1,757,364
Total Cords	— —	19,526
Per Acre	— —	4.2

Growth and Future Volume

Growth good
1100 fields old field, only reproduction
540,000 BF added yearly —
750,000 BF to be added in 30 years
Much hardwood, much merchantable
100 BF to acre on areas 500 to 2500 BF/Ac
300 " " " " " over 2500 BF/Ac.

Verona Road Unit

Acreages:

Total Acreage: — 4,463

Acreage reserved for other uses - 0

Acreage producing timber - 4,463

Acres Pine - 4,007 (Incl 300 Acres cutover)

Acres Longleaf & Loblolly — 910

Acres Pure Longleaf — 1220

Acres Pure Loblolly — 1877

Acres Hardwood — 456

Forest Types:

Pine -- 23 % Loblolly - Longleaf mixture *

-- 30 % Pure Longleaf

-- 47 % Pure Loblolly

Hardwood -- 40 % Black & Red Gum

50 % Red & White Oak

10 % Mixture of poplar, maple and ash.

* Almost all longleaf is either reproduction or pole stage.

Present Volumes Now Standing

Pine Timber (on 4,007 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH + up)

Total Board Foot Volume — 5,856,600

Per Acre Volume — 1,460 BF/Ac

Best 200 Acres

Total Volume — 713,620

Per Acre — 3,570

Cubic Volume (8 inches DBH + up)

Total Cubic Feet — 995,526

Total Cords — 11,060 11060 4286 15346

Cords per Acre — 2.8

Hardwood Timber (on 456 acres)

Board Foot Volume by Scribner Log Rule (10 inches DBH + up)

Total Board Foot Volume — 2,367,096

Per Acre Volume — 5,191

Cubic Volume (8 inches DBH + up)

Total Cubic Feet — 385,776 ~~47714 71~~

Total Cords — 4,286.4

Cords per Acre — 9.4

Total Pine and Hardwood Timber (on 4,463 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	—	8,223,696
Per Acre Volume	—	1,840

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	—	1,381,302
Total Cords	—	15,350
Per Acre	—	3.4

Growth & Future Volume

Present 150 BF/Ac on area over 1000 BF/Ac
Future 250-300 "
Present - 320,000 added yearly
Future - 750,000 " "
Best reprod & poles seen so far
Hardwood good on branches
Most reprod & poles are Longleaf

340 acres old field

Cowhead Creek Unit

Acreages:

Total Acreage — 4,425 (2960 acres burned 1944)

Acreage reserved for other uses - 0

Non timber producing acreage — 326

Acreage producing timber — 4099

Acres pine — 4045 (Incl 2978 cutover)

Acres pure longleaf - 2875

Acres pure loblolly - 1170

Acres hardwood — 54

Forest Types:

Pine — — ~~% loblolly-longleaf mixture~~

— — 71 % Pure longleaf

— — 29 % Pure loblolly

Hardwood — — % Black & Red Gum

— — % Red & white Oak

— — % mixture of poplar, maple, ash etc.

Present Volumes Now Standing

Pine Timber (on 4045 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	3,239,600
Per Acre Volume	810 BF/Ac.
Best 200 Acres	
Total Volume	374,740
Per Acre	1,870 BF/Ac

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	648,360
Total Cords	7,204
Cords per Acre	1.8

Hardwood Timber (on 54 acres)

Board Foot Volume by Scribner Log Rule (10 inches DBH & up)

Total Board Foot Volume	153,900
Per Acre Volume	2,850 BF/Ac

Cubic Volume (8 inches DBH & up)

Total Cubic Feet	2529.0
Total Cords	28.1
Cords per Acre	5.2

Total Pine and Hardwood Timber (on 4099 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH + up)

Total Board Foot Volume — 3,383,500

Per Acre Volume — 830

Cubic Volume (8 in DBH + up)

Total cubic feet — 650,889

Total Cords — 7,232

Per Acre — 1.8

Growth & Future Volume

1,204 acres over 1,000 BF/Ac, Growth 150 BF/Ac/yr

Total present growth 180,000 BF ~~/Ac/yr~~

Future Growth 600,000 BF

~~Total~~ 2960 acres burned, poor everything

Much longleaf, some very fine

50 acres old field

~~Total Pine and Hardwood Lumber~~

Bear Creek Unit.

Acreages:

Total Acreage: 4625 (2079 Acres burned 1944)
Acreage Reserved for other uses - -- 0
Non Timber producing Acreage - - - 1011 (Pocosin)
Acreage Producing Timber - - - 3614
Acres Pine - - - 3528
Acres pure Longleaf - - 2477
Acres pure Loblolly - - 934
Acres ~~Longleaf and~~ Loblolly - - 117
~~Acres~~ Hard wood - - - - 86

Forest Type
Pine

26 % Loblolly-Longleaf Mixture
70 % Pure loblolly
4 % Pure Longleaf

Hardwood

50 % Black and Red Gum
40 % Red and White Oak
10 % Mixture poplar, Maple
Ash, etc.

Bear Creek unit.

Present Volumes Now Standing
Pine Timber (on 3528 Acres)
Board ft. Volume by Scribner Log rule (10 in DBH + up)

Total Board ft. Volume - -	2,709,504
Per Acre Volume - - - -	768
Best 200 Acres - - -	
Total Volume - - - -	229,958
Per Acre - - - - - -	1150

Cubic Volume (8 in. DBH + up)

Total cubic feet - - -	444,528
Total Cords - - - -	4,939 4,939
Cords per Acre - - -	1.4

Hardwood Timber (on 86 Acres.)
Board ft. Volume by Scribner Log rule (10 in. DBH + UP)

Total Board ft. Volume -	370,014
Per Acre Volume - - -	4,349

Cubic Volume (8 in. DBH + Up.)

Total cubic feet - - -	5724
Total cords - - - -	63.6
Cords per Acre - - -	7.4

Bear Creek unit

Total Pine and Hardwood Timber (on 3614 Acres)
Board ft. Volume by Scribner Log rule (10 in DBH + up)

Total Board ft. Volume - - - -	3,079,518
Per Acre Volume - - - -	852

Cubic Volume (8 in DBH + up.)

Total Cubic ft. - -	450,252
Total Cords - - -	5002.6
Per Acre - - - -	1.4

Growth and future Volume

350 acres over 1000 Bd. ft/AC. ..
Total present growth 53,000 Bd.ft.
Future growth expected 650,000 (30 yrs)
(Based on 200 Bd.ft. per acre per year for L.L. and 300 Bd.ft. per acre per year for LOB.)
1011 acres of pocosin and 2079 acres of burned areas (Burned area includes pocosin area).
Eastern section of area has good reproduction + very fine L.L. poles.

270 acres field

East Wallace Creek Unit

Acreages:

Total acreage — 6882 (3832 burned 1944)

Acreage reserved for other uses — 367

Non Timber producing acreage — ~~143~~ 218

Acreage producing timber — ~~6372~~ 6297

Acres pine — ~~5850~~ 5775 (Incl 1100 cutover)

Acres pure longleaf — 1903

Acres pure Loblolly — 911

Acres mixture, longleaf + Loblolly ~~3036~~ 2961

Acres hardwood — 522

Forest Types

Pine

33 % pure longleaf
16 % pure loblolly
51 % longleaf - loblolly mixture

Hardwood

30 % Black & Red Gum
60 % Black & white Oak
10 % mixture

~~There is~~ a Special timber — Cypress. There is much of the hardwood timber bordering Wallace Cr. that will run 30 % cypress, 70 % the rest is hardwood!

Joe, is this correct → There are approx. 200,000 BF of cypress.

Present Volumes Now Standing

Pine Timber (on ~~5,850~~ 5725 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume — 5,763,600

Per Acre Volume — ~~990~~ 1010 BF

Best 200 acres

Total volume — 450,000

Per Acre — 2,250

Cubic Volume (8 inches DBH & up)

Total Cubic Feet — 1,187,503

Total Cords — 13,190

Cords per acre — 2.3

Hardwood Timber (on 522 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

* Total Board Foot Volume — 2,371,500

Per Acre Volume — 3,500

Cubic Volume (8 inches DBH & up)

Total Cubic Feet — 480,470

Total Cords — 4,450

Cords per Acre — 6.6

* Included in the hardwood volumes are approx. 200,000 BF of cypress found mixed with hwd.

** The obvious discrepancy between acreages and Vol/Acre is due to approximately 1,000 acres of pine-hardwood mixture containing ~~[illegible]~~ approx. 600,000 BF of oak.

Total Pine and Hardwood Timber (On ~~6372~~ 6297 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH+up)

Total Board Foot Volume — 8,135,100

Per Acre Volume — ~~1280~~ BF 1290

Cubic Volume (8 in DBH+up)

Total Cubic Feet — 1,587,973

Total Cords — 17,640

Cords per Acre — 2.8

Cypress - approx. 200,000 BF.

Growth & Future Volume.

2,515 acres have over 1000 BF/Ac, Growth of 170 BF per Ac per yr making present growth 430,500 BF year

Future, if fully stocked, Loblolly will grow 350 BF/Ac/yr, Mixed & LL. 250 BF Ac/yr for total growth per year in 30 years 1,200,100 BF

~~143~~ 218 acres non producing pocosin

3,832 acres burned 1947

Poles fair

680 acres old field

Starling Unit

Acreages:

Total acreage — 5103 (2335 ac burned June 1944)

Acreage reserved for other uses - 164

Non Timber producing acreage - 492

Acreage producing timber — 4,447 (Incl. 320 Ac logged)

Acres pine — 4,248

Acres pure longleaf - 480

Acres pure loblolly - 1342

Acres longleaf - loblolly - 2426

Acres hardwood — 199

Forest Types:

Pine

11 % Longleaf

32 % Loblolly

57 % Longleaf - Loblolly

Hardwood

- 40 % Black & Red Gum
- 50 % White & Red Oak
- 10 Mixture

Present Volumes Now Standing

Pine Timber (on 4,248 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume — 3,736,900

Per Acre Volume — 880 Board Feet

Best 200 acres

Total Volume — 380,000

Per Acre Volume — 1900

Cubic Volume (8 in DBH & up)

Total Cubic Feet — 815,609.

Total Cords — 9,062

Cords per Acre — 2.1

Hardwood Timber (on 199 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

* Total Board Foot Volume — 735,400

Per Acre Volume — 3,110

Cubic Volume (8 in DBH & up)

Total Cubic Feet — 103,500

Total Cords — 1,150

Cords per acre — 5.8

* The discrepency between acreages and vol per acre is due to approx. 6 ~~11,750~~ 116,500 B.F. of oak found on ~~200~~ 250 acres of oak-~~hardwood~~ pine mixture.

Total Pine and Hardwood Timber (on 4,447 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH up)

Total Board Foot Volume	—	4,499,300
Per Acre Volume	—	1,010

Cubic Volume (8 in DBH & up)

Total Cubic Feet	—	919,109
Total Cords	—	10,212
Cords per acre	—	2.3

Growth & Future Volume

1385 acres over 1000 BF/Ac present 235,400 BF/Yr
Future, 20 years, capable of producing 1,000,000 BF/Yr.
Area in good shape except for 2,335 acres burned 1944. Pure loblolly is very much old fields. Growth at present in area over 1000 BF/Ac is 170 BF/Acre/Yr
Some pocosin area (492) much fair hardwood.

530 acres old field

Sneads Point - Onslow Beach Unit

Acreages:

Total Acreage:	—	7,007
Acreage reserved for other uses	—	279
Non Timber producing acreages	—	1,724
Acreage producing timber	—	5,004
Acres pine	—	4,863 (Inc 100 Ac Cut over)
Acres pure Longleaf	—	479
Acres pure Loblolly	—	3,439
Acres Loblolly-Longleaf	—	945
Acres hardwood	—	141

Forest Types:

Pine	10 % pure Longleaf
	71 % pure Loblolly
	19 % Loblolly-Longleaf mix.
Hardwood	60 % Black + Red Gum
	30 % Red + White Oak
	10 % mixture, poplar, ashe etc.

Present Volumes Now Standing

Pine Timber (on 4,863 Acres)

Board Foot Volume by Scribner Log Rule, (10 in DBH & up)

Total Board Foot Volume — 5,771,200

Per Acre Volume — 1,190

Best 200 Acres

Total Volume — 800,000

Per Acre Volume — 4,000

Cubic Volume (8 in DBH & up)

Total Cubic Feet — 1,146,691

Total Cords — 12,741

Cords per Acre — 2.6

Hardwood Timber (on 141 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

*Total Board Foot Volume — 909,100

Per Acre Volume — 3,430

Cubic Volume (8 in DBH & up)

Total Cubic Feet — 150,691

Total Cords — ~~1,672~~ ~~791~~ 902

Cords per Acre — ~~8.5~~ 6.4

* The discrepancy between acreages and vol/Acre is due to approximately 425,500 BF of oak found on 800 acres of oak-pine mixture.

Total Pine and Hardwood Timber (on 5,004 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH + up)

Total Board Foot Volume	6,680,300
Per Acre Volume	1,330

Cubic Volume (8 in DBH + up)

Total Cubic Feet	1,297,382
Total Cords	14,420
Cords per Acre	2.9

Growth + Future Volume

2700 acres over 1,000 BF/Ac present vol, growth 160 BF/Ac/yr.
432,000 BF yearly growth, at present
1,200,000 BF expected yearly in future, 30 years.
Spotted, very limby, some short bodied.

1200 acres old field

North Intracoastal Waterway Unit

Acreages:

Total Acreage — ~~1,125~~ 7,225

Acreage reserved for other uses - 143

Non timber producing acreage - ~~3,131~~ 3,231

Acreage producing timber - 3,851

Acres pine - 3635 (Inc 1750 Ac cut over)

Acres pure longleaf - 233

Acres pure loblolly - 2,563

Acres longleaf & loblolly - 839

Acres hardwood - 216 ~~[illegible]~~

Forest Types:

Pine — 6 % pure longleaf

71 % pure loblolly

23 % longleaf-loblolly mixture

Hardwood — 70 % black & red gum

20 % red & white oak

10 % miscellaneous

Present Volumes Now Standing

Pine Lumber (on 3635 acres)

Board foot volume by Scribner Log Rule (10 in DBH + up)

Total Board Foot Volume — 3,616,600

Per Acre Volume — 990 Board Feet

Best 200 acres

Total volume — 524,740

Per Acre — 2,623

Cubic Volume (8 inches DBH + up)

Total Cubic Feet — 676,145

Total Cords — 7,510

Cords per acre — 2.2

Hardwood Lumber (on 216 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH + up)

Total Board Foot Volume — 893,200

Per Acre Volume — 4,135

Cubic Volume (8 inches DBH + up)

Total Cubic Feet — ~~143,230~~ 143,820

Total Cords — ~~1150~~ 1598

Cords per acre — 7.4

Total Pine and Hardwood Timber (on 3851 ac)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume — 4,509,800 ~~3,[illegible],[illegible]~~

Per Acre Volume — 1,170

Cubic Volume (8 in DBH & up)

Total cubic feet — 819,965 ~~[illegible]~~

Total cords — 9,108 ~~8670 [illegible]~~

Per acre — 2.4

Growth & Future Volume

1000 acres with over 1000 BF/Ac, gives a present growth of 120,000 BF yearly. Future, 20 years, 800,000 might be produced.

680 acres old field

Montford Point - Camp Knox Unit

Acreages:

Total Acreage. — 2,910

Acreage reserved for other uses - 468

Non Timber Producing Acreage - 0

Acreage producing Timber — 2,442

Acres Pine — 2278

Acres pure loblolly — 2278

Acres pure longleaf — 0

Acres longleaf-loblolly — 0

Acres Hardwood — 164

Forest Types:

Pine — — 100 % Pure Loblolly

— — % Loblolly - Longleaf

Hardwood — 40 % Black & Red Gum

50 % Red & White Oak

10 % Mixture

Present Volumes Now Standing

Pine Timber (on 2,279 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH+ up)

Total Board Foot Volume — 4,146,800

Per Acre Volume — 1,820 BF

Best 200 Acres

Total Volume — 856,830 BF

Per Acre — 4,280 BF.

Cubic Volume (8 in DBH+ up)

Total Cubic Feet — 821,280

Total Cords — 9,125

Cords per Acre — 4.0

Hardwood Timber (on 164 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH+ up)

* Total Board Foot Volume — 549,400

Per Acre Volume — 3,350 BF

Cubic Volume (8 inches DBH+ up)

Total Cubic Feet — ~~64,642~~ 126,580

Total Cords — ~~1,033~~ 1,406

Cords per Acre — 6.3

* The discrepency between acreages and vol/Acre is due to approximately 200,000 BF of oak found on 300 acres of pine - hardwood mixture.

Total Pine and Hardwood Timber (on 2,443 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	—	4,896,200
Volume Per Acre	—	2,000 Board Feet

Cubic Volume (8 in DBH & up)

Total Cubic Feet	—	947,860
Total Cords	—	10,530
Per Acre	—	4.3

Growth & Future Volume.

190 BF/Ac/yr.

Present, 1900 acres with over 1,000 BF/Ac growing at 190 BF/Ac equalling 360,000 BF yearly.

In future, 20 years, if fully stocked, can produce 700,000 BF yearly.

250 acre old field

Airfield Unit

Acreages:

Total Acreage — 5,073

Acreage reserved for other uses — 2,513

Non Timber Producing acreage — 187

Acreage producing timber — 2,373 (2373)

Acres pine — 2016 (2016) (Inc, 117 Ac entered)

Acres pure loblolly — 1224 (1224)

Acres pure longleaf — 0

Acres longleaf-loblolly — 792

Acres hardwood — 357

Forest Types

Pine — 61 % Loblolly
0 % longleaf
39 % loblolly-longleaf

Hardwood — 50 % Black & Red Gum
40 % Red & White Oak
10 % mixture

Present Volumes Now Standing

Pine Timber (on 2016 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH+up)

Total Board Foot Volume — 4,130,250

Per Acre Volume — 2,050 BF

Best 200 acres

Total Volume — 826,000 BF

Per Acre — 4,130 BF

Cubic Volume (8 in DBH+up)

Total Cubic Feet — 827,741

Total Cords — 9,197

Cords per acre — 4.5

Hardwood Timber (on 357 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH+up)

* Total Board Foot Volume — 2,659,550

Per Acre Volume — 4,080

Cubic Volume (8 in DBH + up)

Total Cubic Feet — 496,942

Total Cords — 5520

Cords per Acre — 7.9

* The discrepancy between acreages and Vol/acre is due to approximately 1,200,000 BF of hardwood found on 800 acres pine/hardwood mixture

Total Pine and Hardwood Timber (2373 Acres)

Board foot Volume by Scribner log Rule (10 in DBH+up)

Total Board Foot Volume	—	6,789,800
Per Acre Volume	—	2,860

Cubic Volume (9 in DBH +up)

Total Cubic Feet	—	1,324,683
Total Cords	—	14,720
Per Acre	—	6.2

Growth + Future Volume

Fast, long clear bodied, ~~are~~ average 190 BF/A/yr.
Present growth 355,000, in future capable of producing 700,000 BF yearly.
Good mixed timber, Best hardwood on base, most hardwood ready for logging.

300 acres old field

Dixon Unit

Acreages:

Total Acreage: — 7,308

Acreage reserved for other Uses — 1,000

Non Timber producing acreage — 0

Acreage producing timber — 6,308

Acres pine — 5,825

Acres pure loblolly — 2,680

Acres pure longleaf — 1,279

Acres longleaf + loblolly — 1,866

Acres hardwood — 483

Forest Types:

Pine — 46% loblolly
22% longleaf
32% longleaf - loblolly

Hardwood — 50% Black + Red Gum
40% Red + White Oak
10% Mixture

Present Volumes Now Standing

Pine Timber (on 5,825 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)

Total Board Foot Volume	— 8,246,670
Per Acre Volume	— 1,420 BF
Best 200 Acres	
Total Volume	— 780,000 BF
Per Acre	— 3,900 BF

Cubic Volume (8 in DBH & up)

Total Cubic Feet	— 1,330,079
Total Cords	— 14,780
Cords per Acre	— 2.5

Hardwood Timber (on 483 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH up)

Total Board Foot Volume	— 1,888,530
Per Acre Volume	— 3,910

Cubic Volume (8 in DBH & up)

Total Cubic Feet	330,300
Total Cords	3670
Cords per Acre	— 7.6

Total Pine and Hardwood Timber (on 6,308 Acres)

Board Foot Volume by Scribner log Rule (10 in DBH & up)

Total Board Foot Volume	10,135,200
Per Acre Volume	1,610

Cubic Volume (8 in DBH & up)

Total Cubic Feet	1,660,380
Total Cords	18,450
Cords per Acre	2.9

Growth & Future Volume

Present, 545,000 BF growing yearly
Future, capable of producing 1,300,000 BF/yearly

450 acres of old fields.

Munson Artillery Impact Area,
5,426 acres, 10,000,000 BF.

Final Summary For Camp Lejeune

Acreages:

Total Acreage (Including water) -- 111,154.91 (approx.)
Acreage under water -- 26,000 (approx)
Land acreage -- 85,154.91
Land acreage (excl. of Midway Pk) 84,629.31 (Incl. RR Rights)
Acreage reserved for other uses -- 14,188.31
Acreage not suited to timber prod - 8,230
Acreage suited to timber prod - 62,211
Acreage badly burned but capable of prod. timber - 877
Acres pine -- 56,883
Acres Longleaf & Loblolly - 15,326
Acres Pure Longleaf - 12,004
Acres Pure Loblolly - 29,553
Acres hardwood - 4,451

Forest Types

Pine -- 27 % Longleaf & Loblolly
21 % Pure Longleaf
52 % Pure Loblolly

Hardwood -- 50 % Black & Red Gum
40 % Red & White Oak
10 % mixture of ash, yellow poplar, hickory, maple, elm & ash

Present Volumes Now Standing

Pine Timber (on 56,883 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)
Total Board Foot Volume - 79,772,320
Per Acre Volume - 1,400 BF

Cubic Volume (8 in DBH & up)
Total Cubic Feet - 14,691,931
Total Cords - 163,240
Cords Per Acre - 2.9

Hardwood Timber (on 4,457 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)
* Total Board Foot Volume - 18,607,830
Per Acre Volume - 3,610

Cubic Volume (8 in DBH & up)
Total Cubic Feet - 3,026,620
Total Cords - 33,630
Cords per Acre - 6.2

The discrepancy between acreages and volume per acre is due to approximately 2,542,000 board feet of hardwood, mostly oak, found on 3,150 acres of pine-hardwood mixture.

Total Pine + Hardwood Timber (on 61,334 acres)
(Does not include 877 acres burned)

Board Foot Volume by Scribner Log Rule (10 in DBH+ up)
Total Board Foot Volume — 98,380,150
Per Acre Volume — 1,600

Cubic Volume (8 in DBH+ up)
Total Cubic Feet — 17,718,551
Total Cords — 196,870
Per Acre — 3.2

Miscellaneous Info

6,110 acres old fields
1,080 " fields plowed 1946 for game food
5,429 acres artillery impact area, 10,000,000 BF
11,180 acres cutover within last 6 yrs
3,180 acres pine - hardwood mixture
98,380,150 BF will saw 115,100,800 BF with 17% overrun mill.

Every 1000 BF = 2 cords pulpwood
29,550 acres can grow 350 BF/Ac/yr
27,330 " " " 200 BF/Ac/yr
Makes theoretical growth 15,800,000 BF } in 100 yrs
Actual growth 13,000,000 BF
Present growth 5,442,000 BF/Ac/yr
This makes cut of 1,080,000 yearly or 40,000 to 50,000 BF daily

Misc all - Cont.

Rotation ages - Loblolly 45, Longleaf 75
Suggested cutting schedule - see report
To date 363,800 pine, 50,100 BF hdwd has
been cut on the cruised areas.

43,560 sq ft } acre
4,840 sq yds

BF / Cu Ft Vol.

Ratio - approx 2c per every 1000 BF.

.516 x # 100 yds. = acres on 55 yd wide strips

Key To Map

Colors

Reproduction
- Good - 2200 & above - Red
- Fair - 1100 & 2200 - yellow
- Poor - 0 - 700 - Blue

Volume
- Blue - 0, - 2,999
- yellow 3 - 5,999
- Red 6 +
- Green - Reserved

Pole
- 100 + - Red 52 per 100 yds
- 50-99 - yellow 26-51 per 100 yds
- 0-49 - blue 0-25

Type
- Logged - yellow
- Hdwd - Blue
- Reserved for other Uses - Yellow Green
- Non Timber Prod. Area - Red
- Brown - Pine - Loblolly
- Brown with single crosshatch - Pine Longleaf-Loblolly
- Double crosshatch - Longleaf pure
- Burned Area - Dark Green