

RECORD

U. S. GOVERNMENT PRINTING OFFICE
PROPERTY NO. 50178

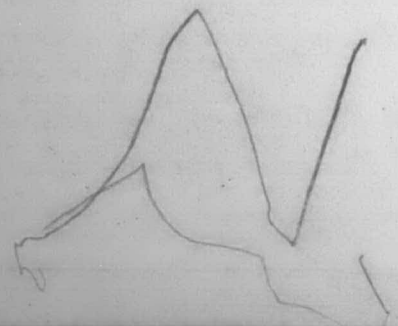
~~CAMP BEAUTIFICATION FUND~~

&

~~GAME RESERVATION FUND~~
~~PR~~

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. ^{Pecan} Area

Acreage reserved for other uses -- 0

Acreage badly burned — — — 53

4. Wallace Cr - French Cr Unit

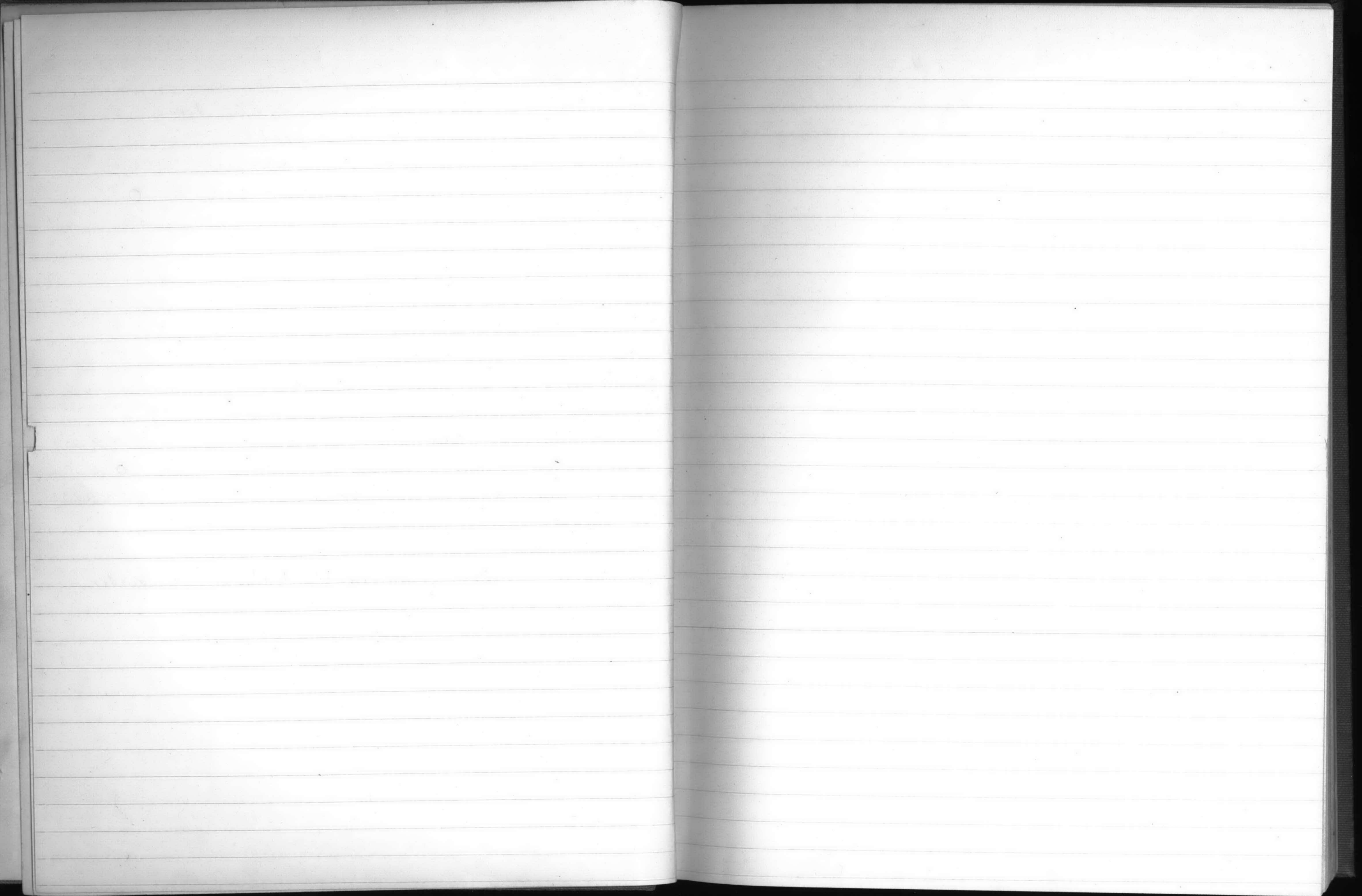
Total Acreage --- ~~4,664~~ 4,809

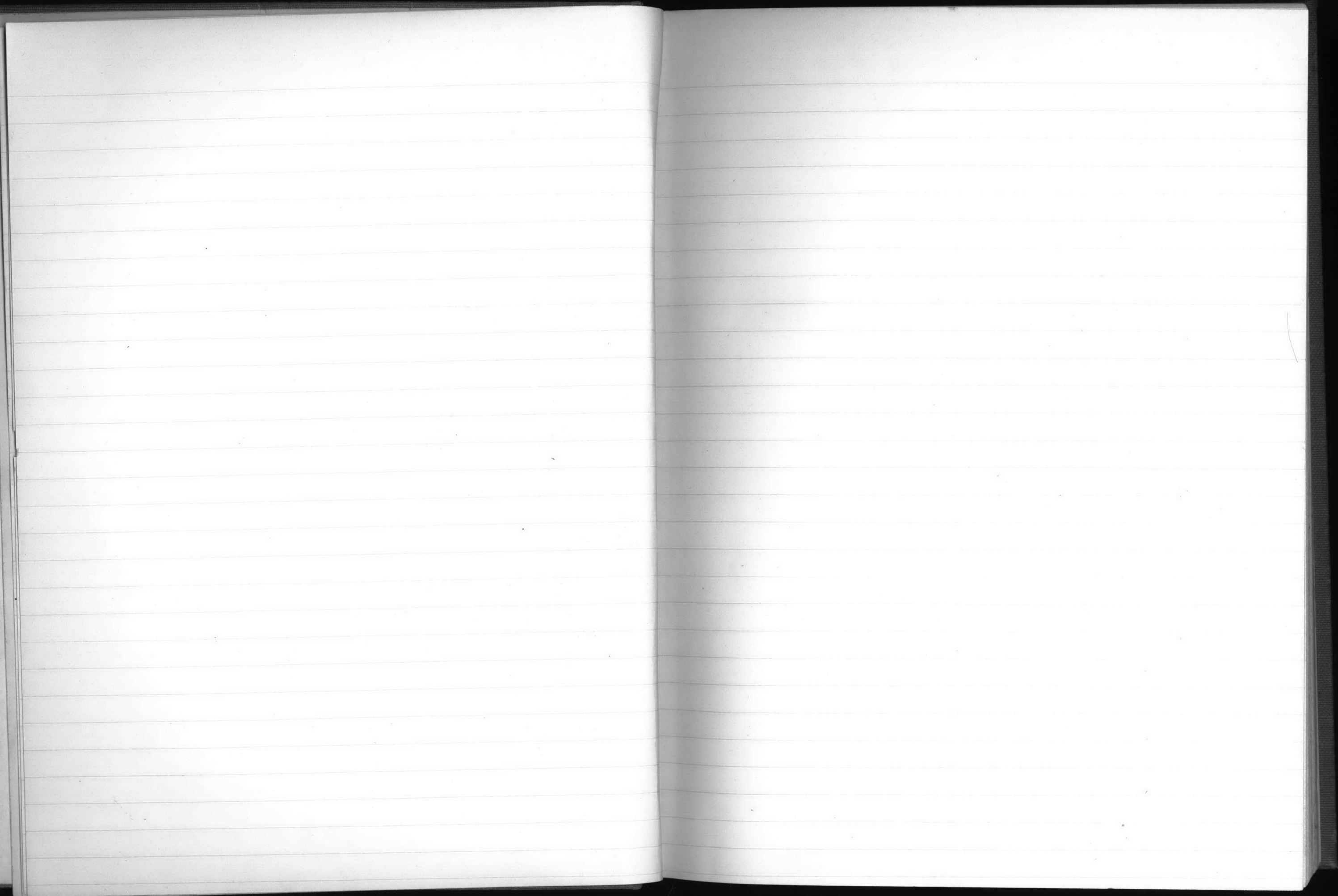
Acreage ~~not~~ suited to timber prod -- ~~2455~~ 2504

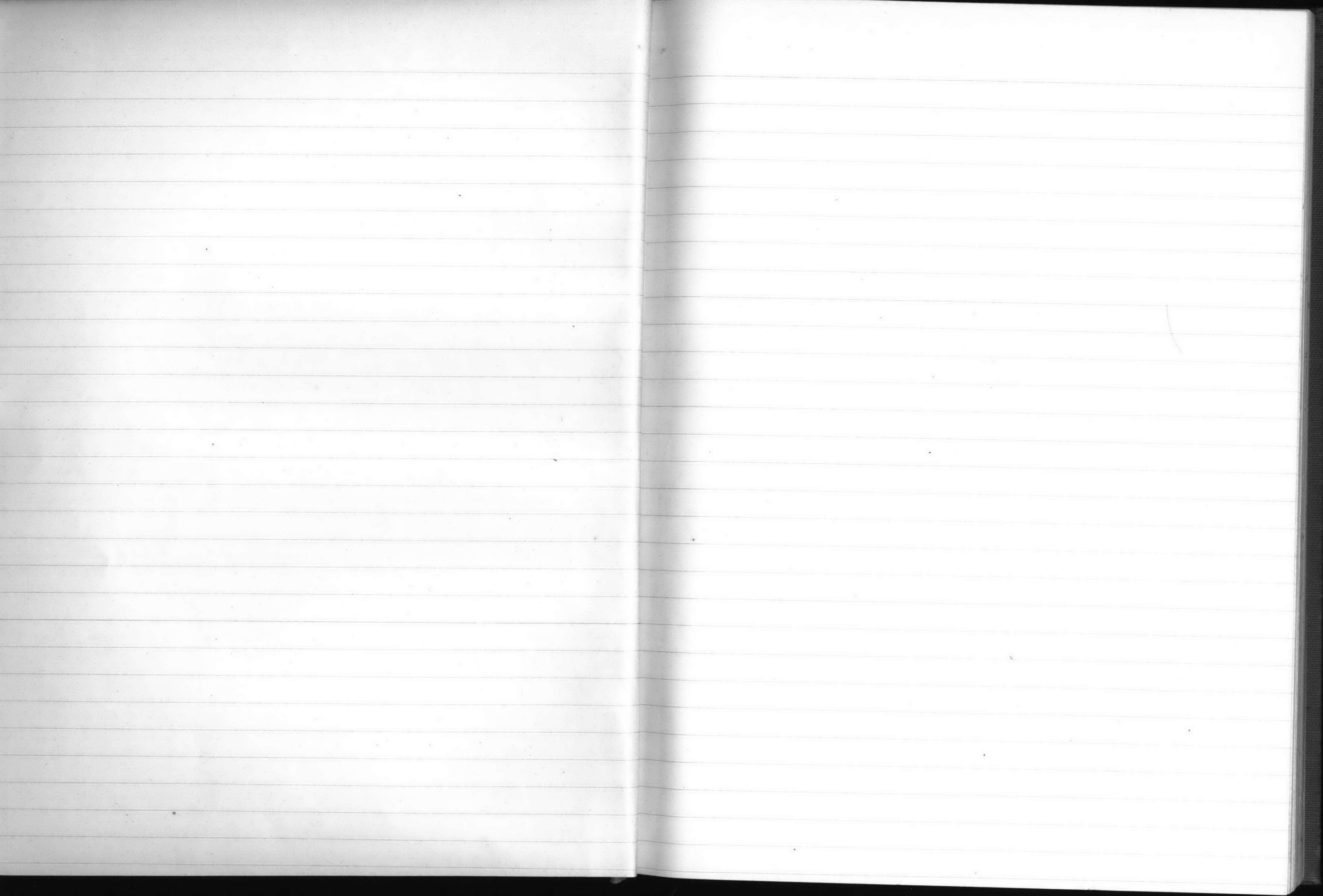
Acreage not suited to timber prod -- 0

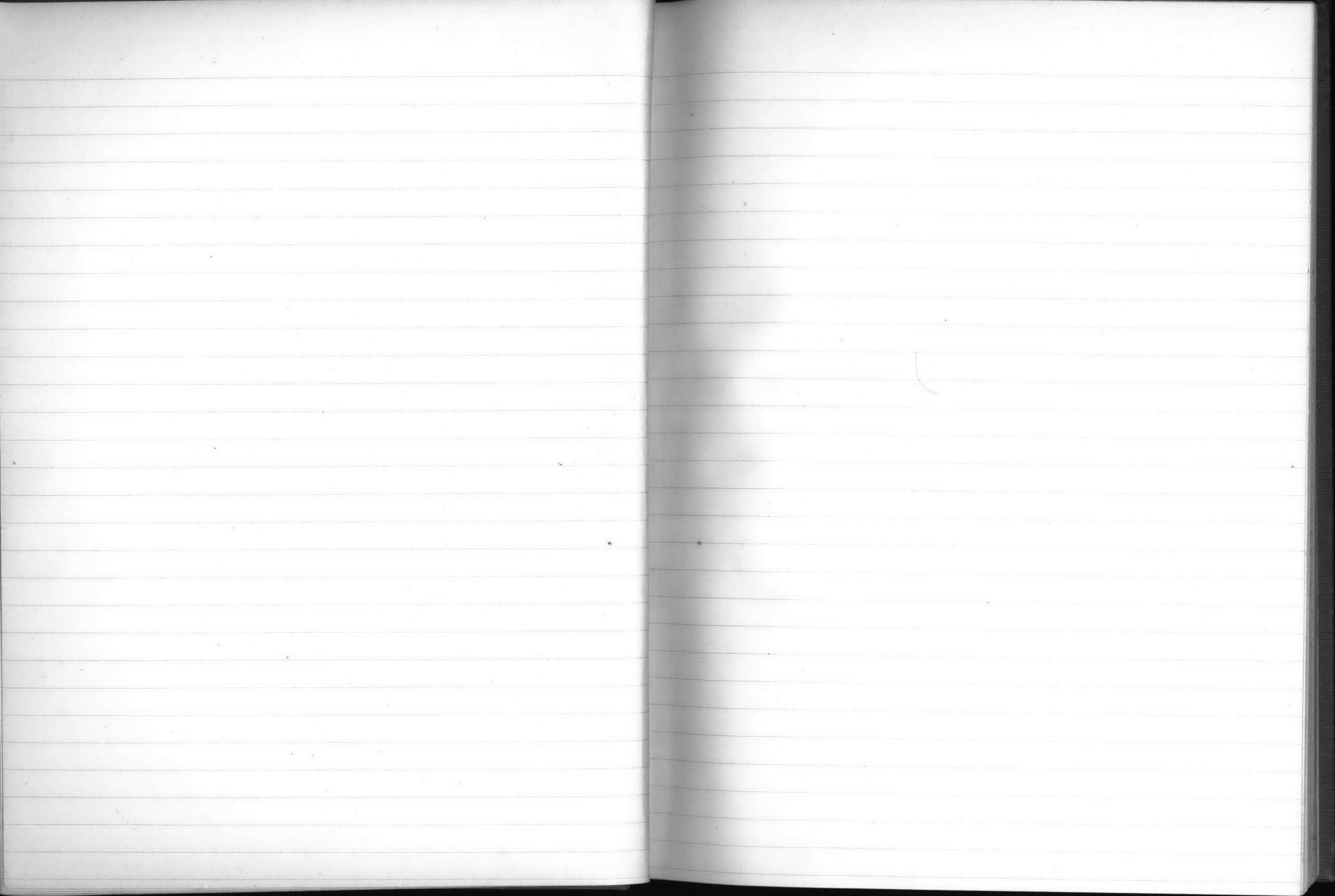
Acreage reserved for other uses --- ~~2209~~ 2305

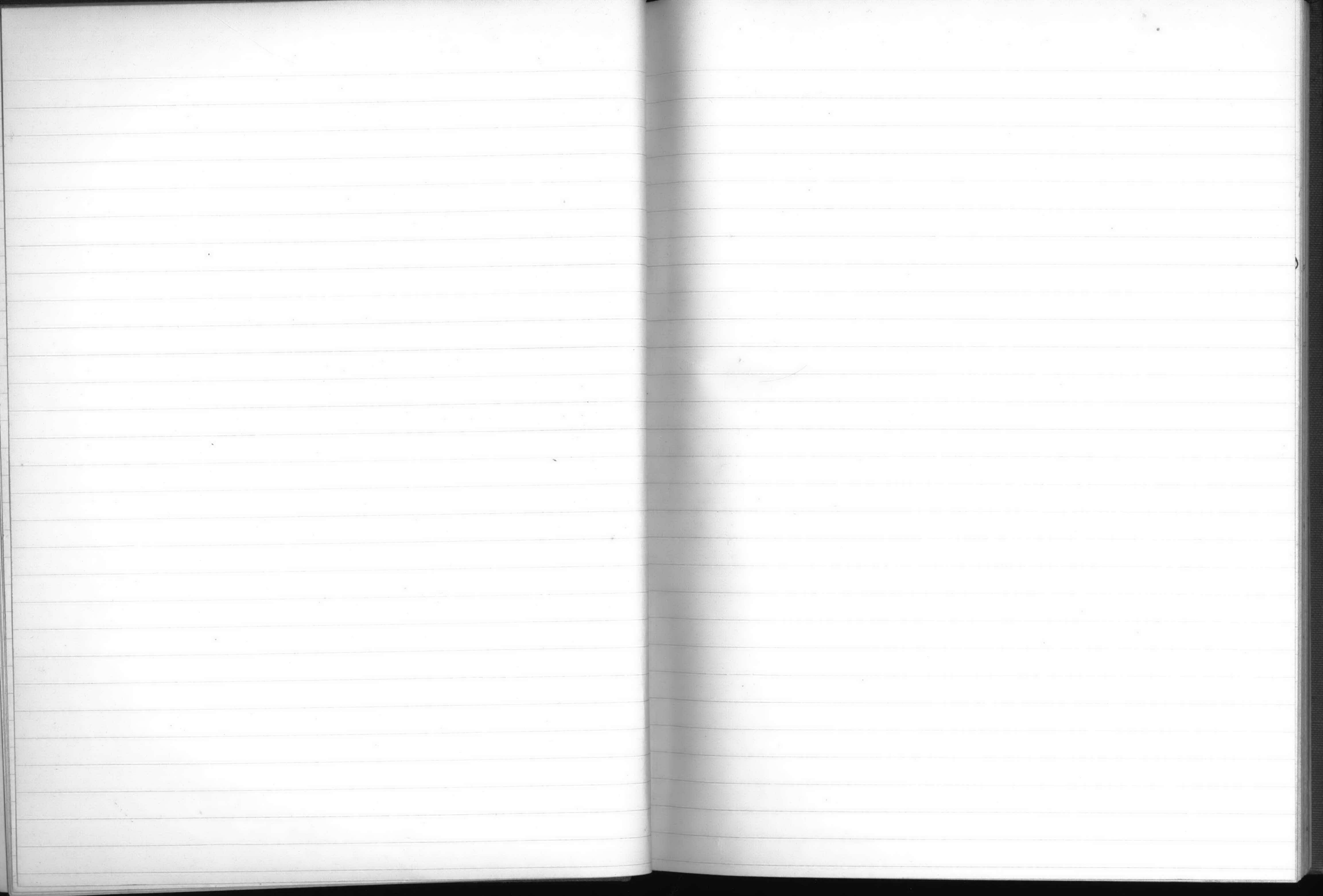
See Individual Units for remainder
of figures.











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)

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

---- 30% Black Gum (Tapelo)

---- 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)

Hwd --- 78 (" 23 ")

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

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

Scribner
Rule



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 timber 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

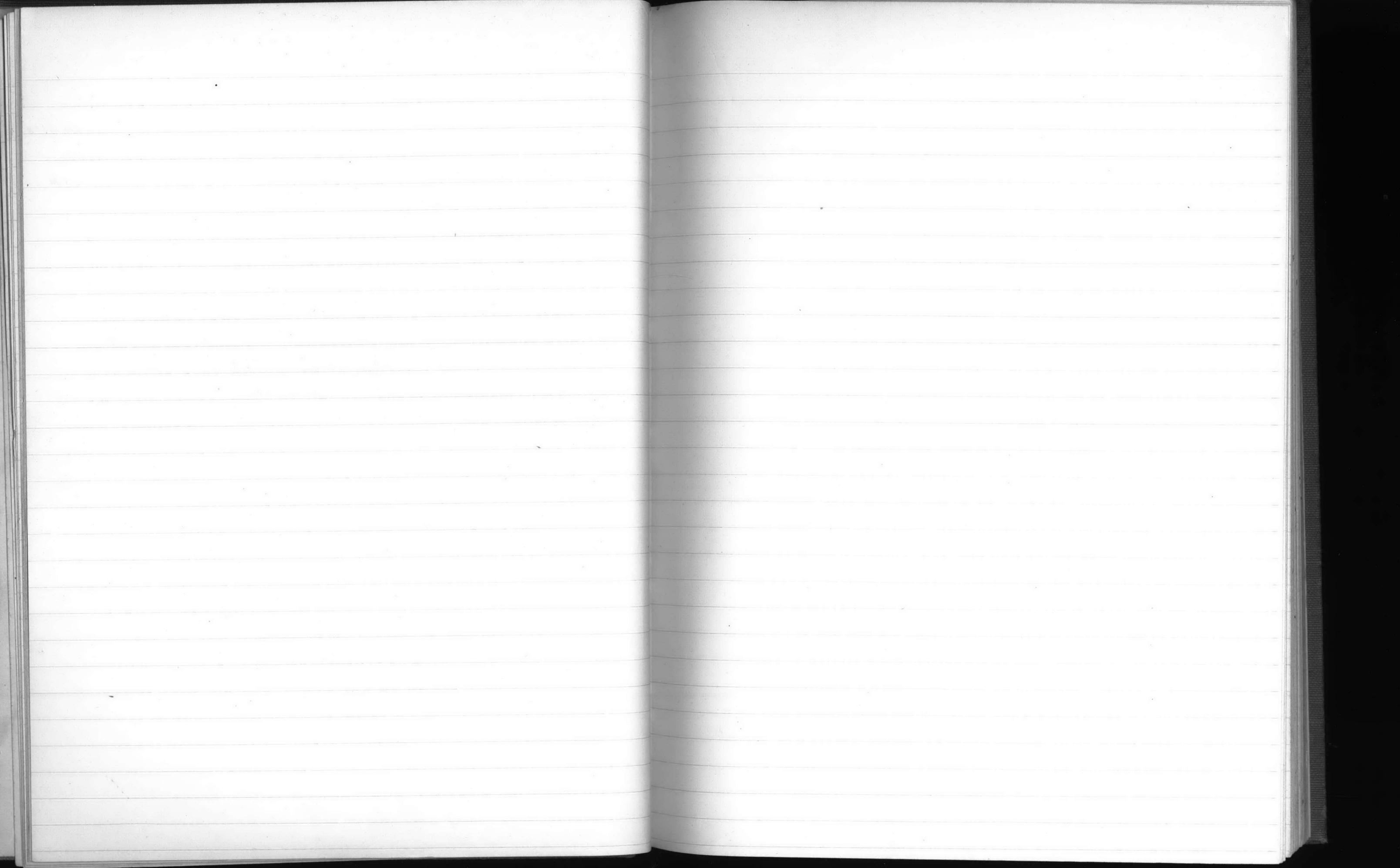
Cypress - 5000 BF Total in square 13.

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

Volumes (Summary)

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

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



Duck Cr. Unit

Acreages:

Total Acreage: - - - - - 4,542
 Acreage Denuded by fire - - 824
 Acreage Reserved ^{of} for 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 - - 2,833
 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 ^{3,533}/~~4,542~~ 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 500 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 ~~270~~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
Total Cords --- ~~1,014~~
Cords Per A --- 5.3

Growth and Future Volume

Sneads Ferry Road Unit

Acreages:

Total Acreage	- - -	5,675 acres	
Acreage not suited to timber prod	- -		Pecosin Area Approx 5 A. 946
Acreage reserved for other uses	- -	0	
Acreage suited to timber production	- -	4,729 4,729	(Incl. 53 acres bar)
Acreage badly burned	- - -	53	4676
Acreage producing timber at present time	-	5297	
Acres pine	-	4,646	(Incl. 1,000 Ac. cutover)
*Acres longleaf + loblolly	-	2714	2264
Acres pure loblolly	-		1,097
Acres pure longleaf	- -	1606	1285
Acres hardwood	-		30
			5297

* The % varies from 80% loblolly, 20% longleaf to 80% longleaf, 20% loblolly.
See map for approximate ~~percentages~~ Percentages.

Forest Types:

Pine	- - - -	50% Longleaf-Loblolly mixture.
		25% Pure Loblolly
		25% Pure Longleaf
Hardwood	- - - -	40% Black Gum (Fupelo)
		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 long leaf & mixed on areas
 with over 600 BF/Ac present volume.

Loblolly produces 150 BF/Ac/yr.

Volume added - present - 400,900 BF/yr.

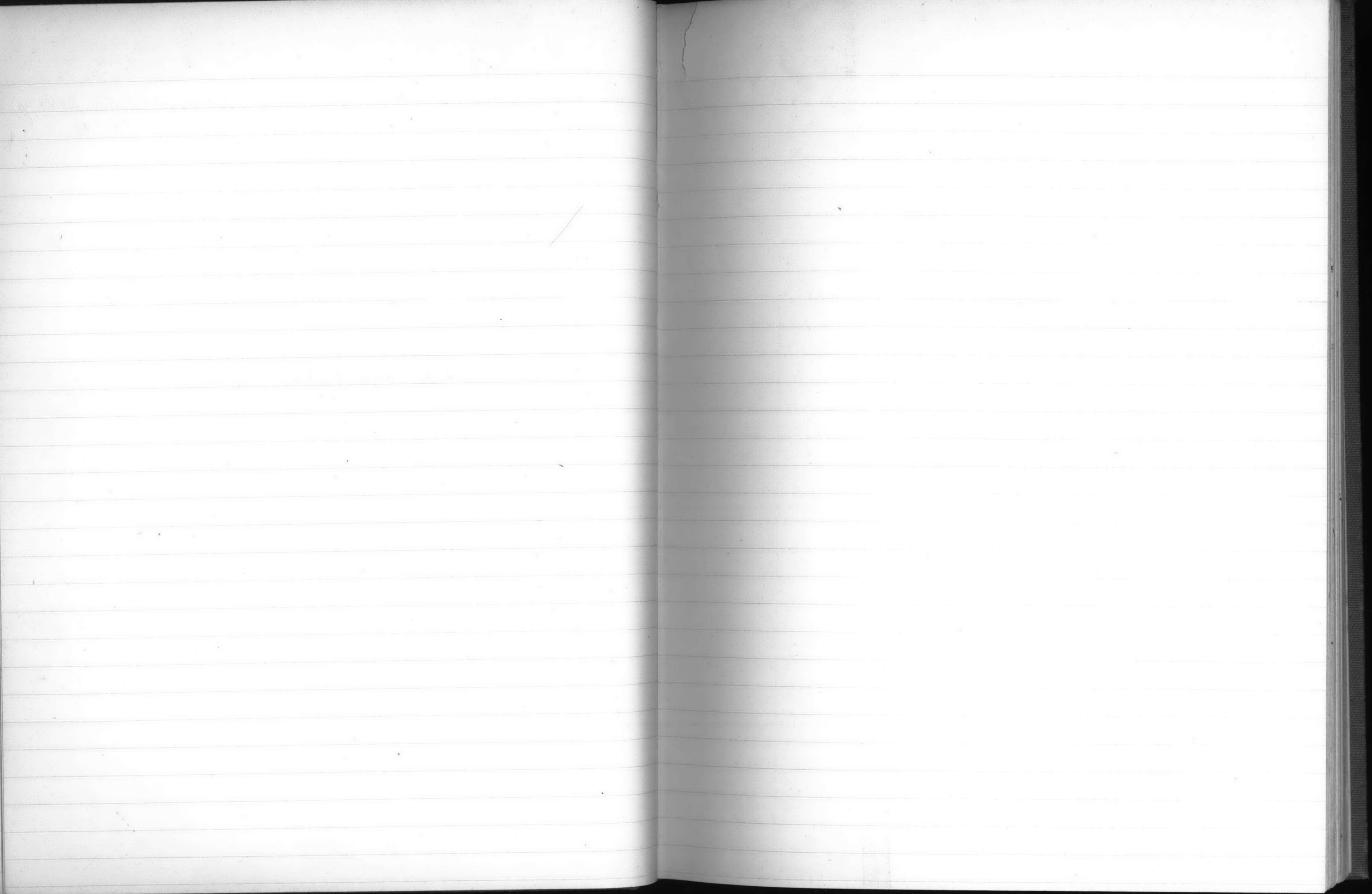
Future Volume - 900,000 BF after next 20 yrs.

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 long leaf when
 associated with together.



Dam Preservation Fund

\$ 8000.00

Wallace Cr - Fr 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 - - - 30% 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 — 58,731,400

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 — 75,096,000 cu ft

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.

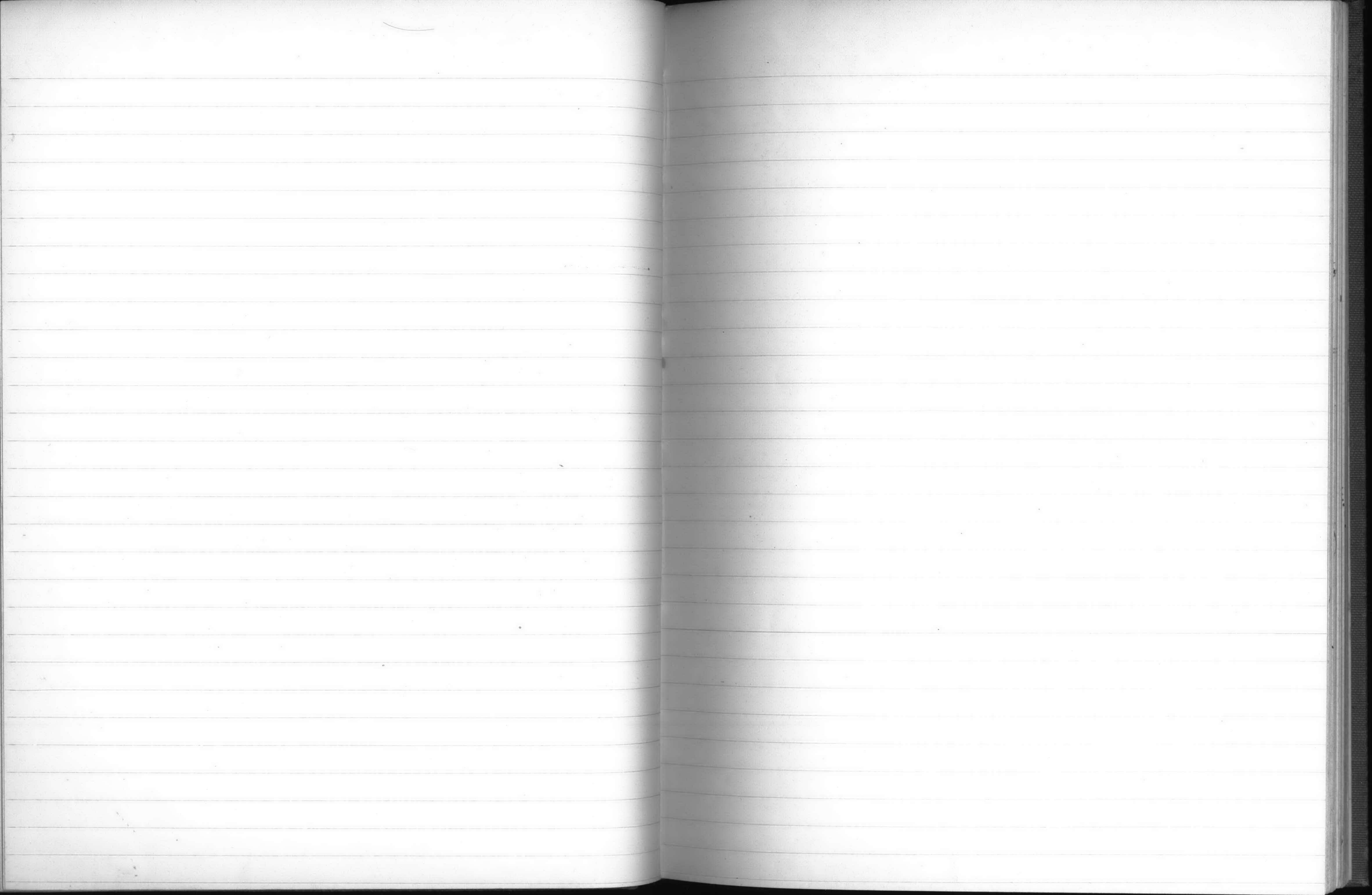
Present, 380,000 BF added to unit yearly.

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 - - - 3,904 ^{Inc 580}
Acres longleaf & loblolly - 442 ^{Gateways}
Acres Pure loblolly - 3460
Acres Hardwood - - 705

Forest Types:

Pine - - - 70 Loblolly longleaf Mixture
70 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

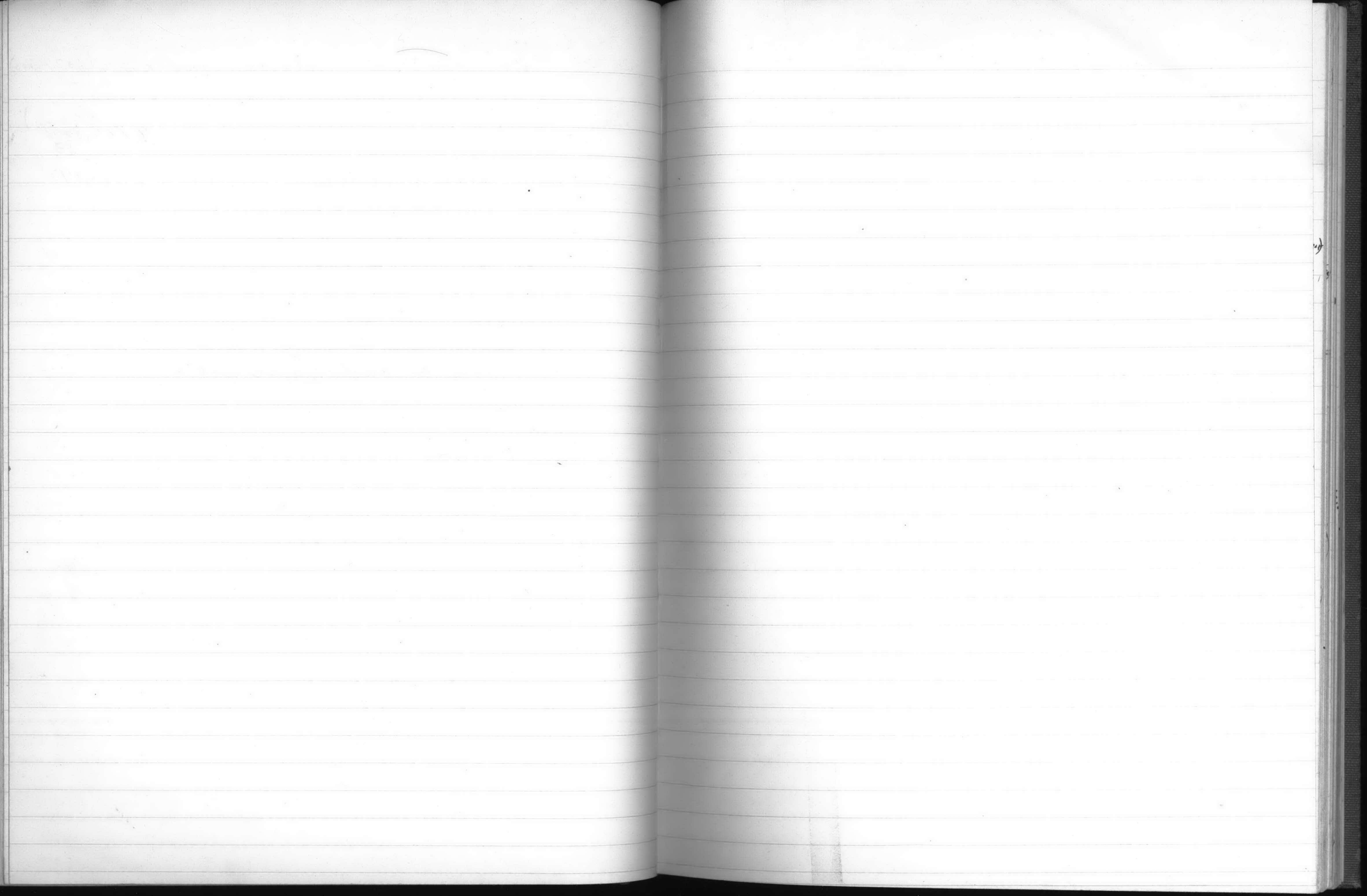
Total Pine and Hardwood Timber (on 4607 Acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)
Total Board Foot Volume — — ~~7,478,180~~ ^{9,990,800}
Per Acre Volume — — ~~1623~~ ^{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 a sh.

* Almost all longleaf is
either reproductive 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

Cords per Acre - 2.8 6336
15346

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) 385,776

Total Cubic Feet - ~~471471~~

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

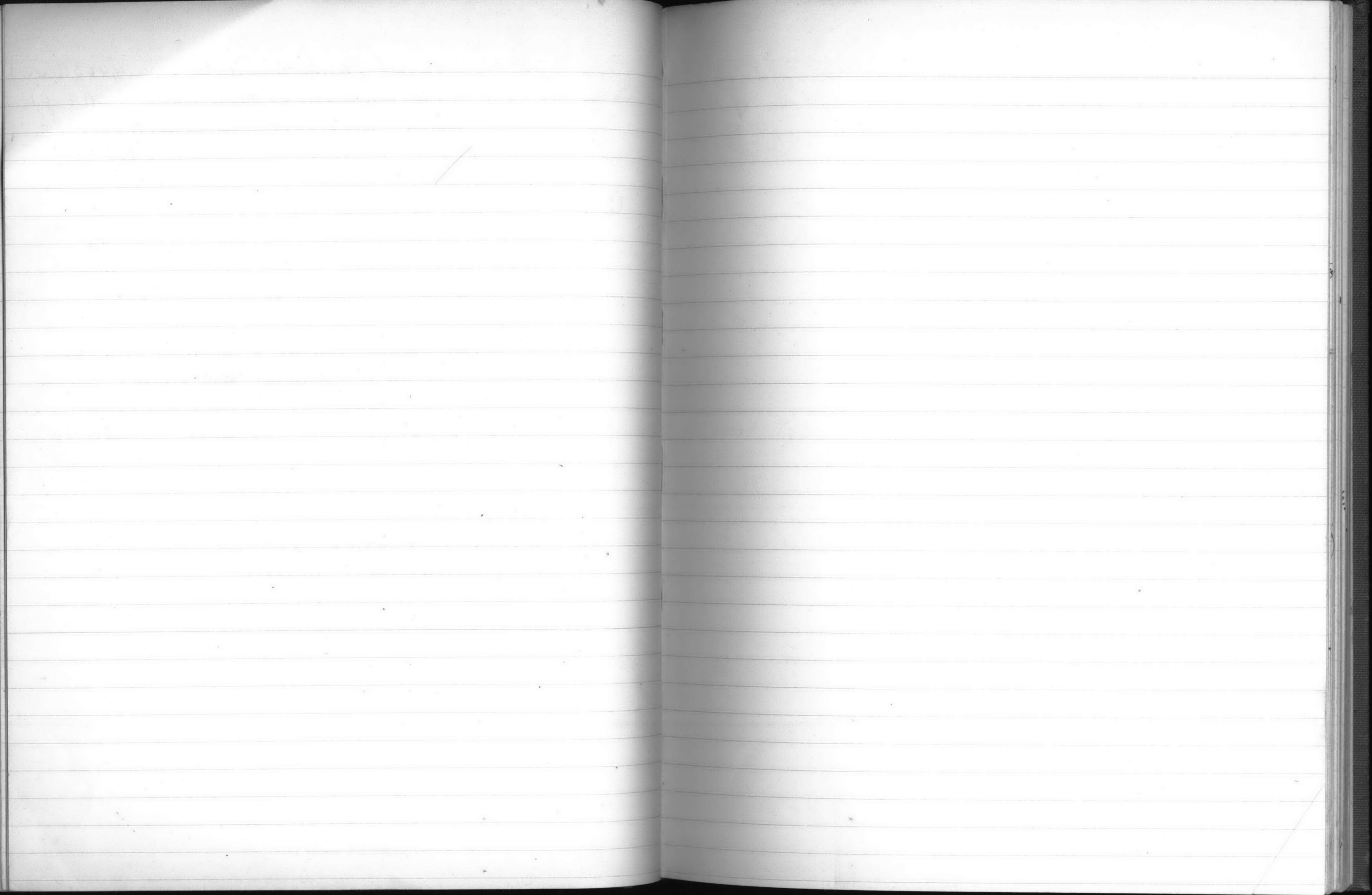
Future - 750,000 " "

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 (Inc/2978
cutover)
Acres pure longleaf - 2875
Acres pure loblolly - 1170
Acres hardwood - 54

Forest Types:

Pine	--	To loblolly-longleaf mixture
	--	71 To Pure longleaf
	--	29 To Pure loblolly
Hardwood	--	To Black + Red Gum
	--	To Red + white Oak
	--	To 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 - 15,3900

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 Timber~~

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 long leaf and loblolly - - 117
Acres Hard wood - - - 86

Forest Type
Pine

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

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

Cords per Acre - - - - 1.4

Hard Wood 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~~ 650,000 (30 yrs)

(Based on 200 Bd.ft. per acre per year for L.H.

and 300 Bd.ft. per acre per year for L.O.V.)

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.H. poles.

275 acres full

350
250
100
200

[Faint, illegible handwriting on the left page of a lined notebook. The text is mostly mirrored bleed-through from the reverse side.]

[The right page of the notebook is mostly blank, with only very faint, illegible markings.]

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 - ~~5,850~~ ^{5,712} (Incl 1100 cutover)

Acres pure longleaf - 1908

Acres pure Loblolly - 911

Acres mixture, longleaf & loblolly - ~~3030~~ 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.

Is this correct? → There are approx. 200,000 BF of cypress.

Present Volumes Now Standing

Pine Timber (on ⁵⁷²⁵~~5,850~~ acres)

Board Foot Volume by Scribner Log Rule (10 in DBH & up)
Total Board Foot Volume — 5,763,600
Per Acre Volume — ~~991~~¹⁰¹⁰ BF
Best 200 acres
Total volume — 450,000
Per Acre — 2,250

Cubic Volume (8 inches DBH & up)
Total Cubic Feet — 11,875,030
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 — 42,0470
Total Cords — 4,450
Cords per acre — 6.6

* Included in the hardwood volumes are approx. 200,000 BF of cypress found mixed with hard.
* The obvious discrepancy between acreages and Vol/Acre is due to approximately 1,000 acres of pine-hardwood mixture containing ^{approx. 600,000 BF} ~~100,000 BF~~ of oak.

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

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

Total Board Foot Volume - 8,135,100
Per Acre Volume - ~~1285 BF~~
1790

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.

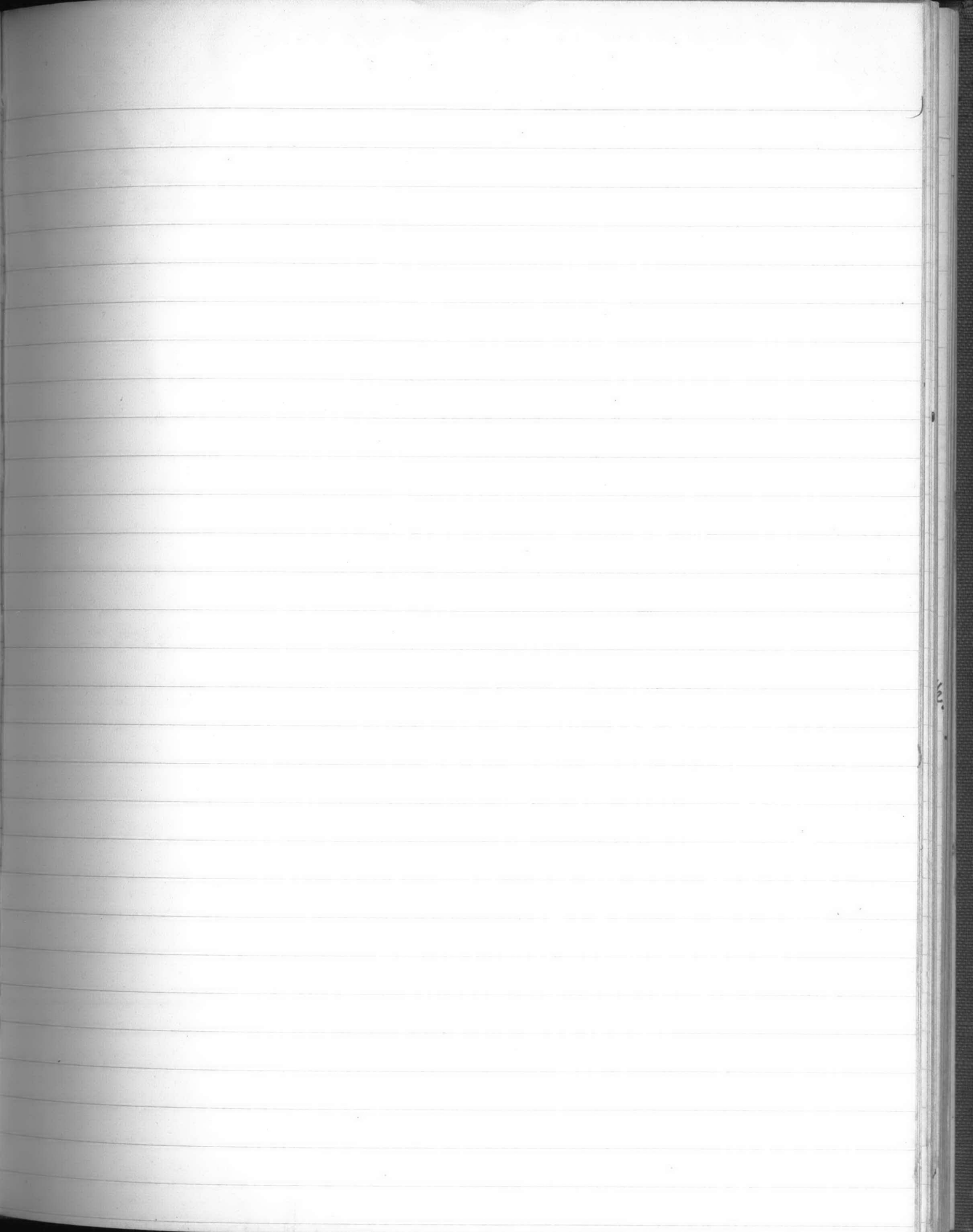
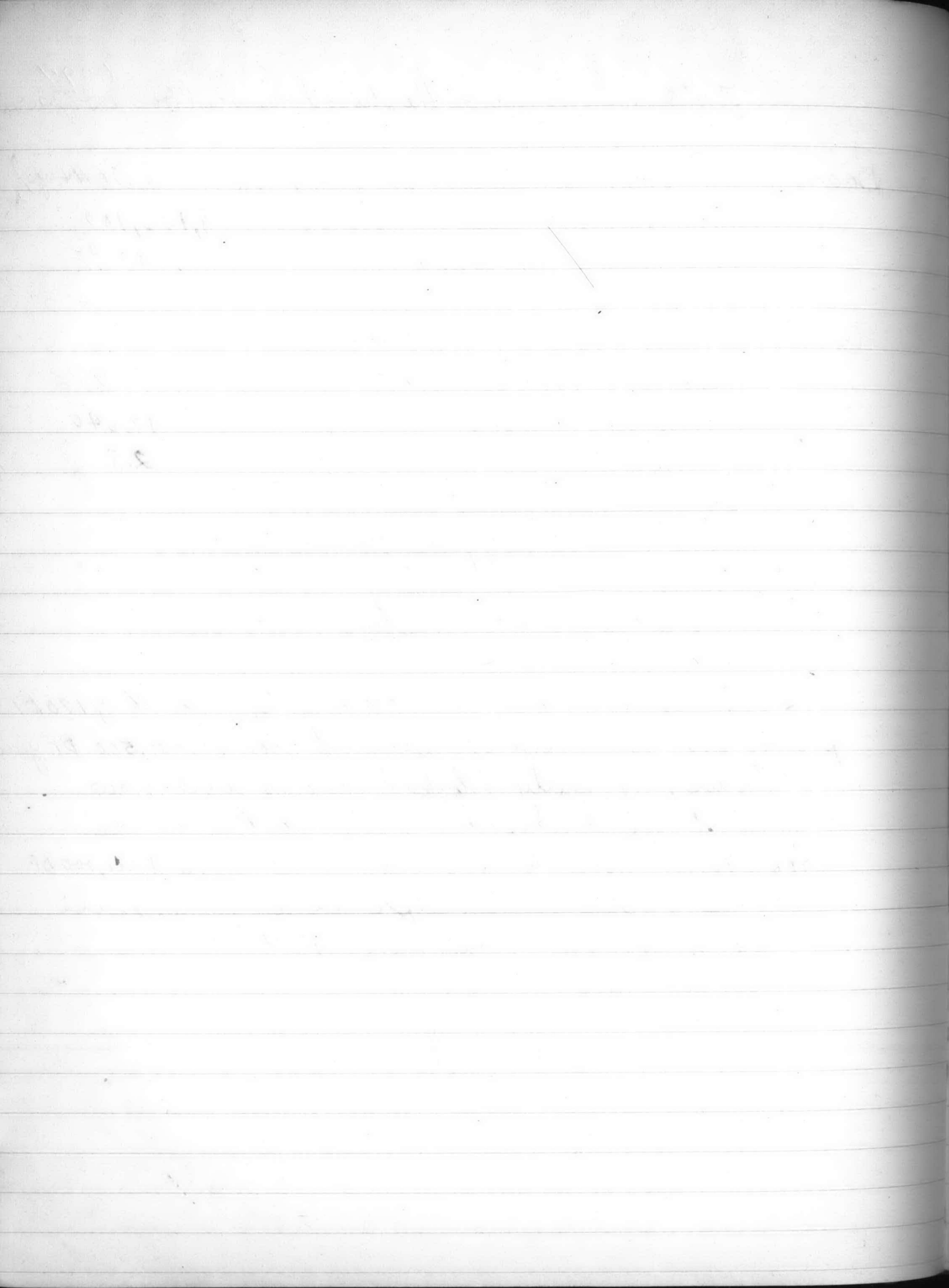
Growth & Future Volume.

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 & L.P. 250 BF Ac/yr for total growth per year in 30 years 1,200,000 BF

~~243~~ acres non producing pines
3,832 acres burned 1944
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 Gums
- 50 % White & Red Oaks
- 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 discrepancy between acreages and vol per acre is due to approx. 6 #,700 116,500 B.F. of oak found on approx 250 acres of oak - ~~hardwood~~ pine mixture.

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

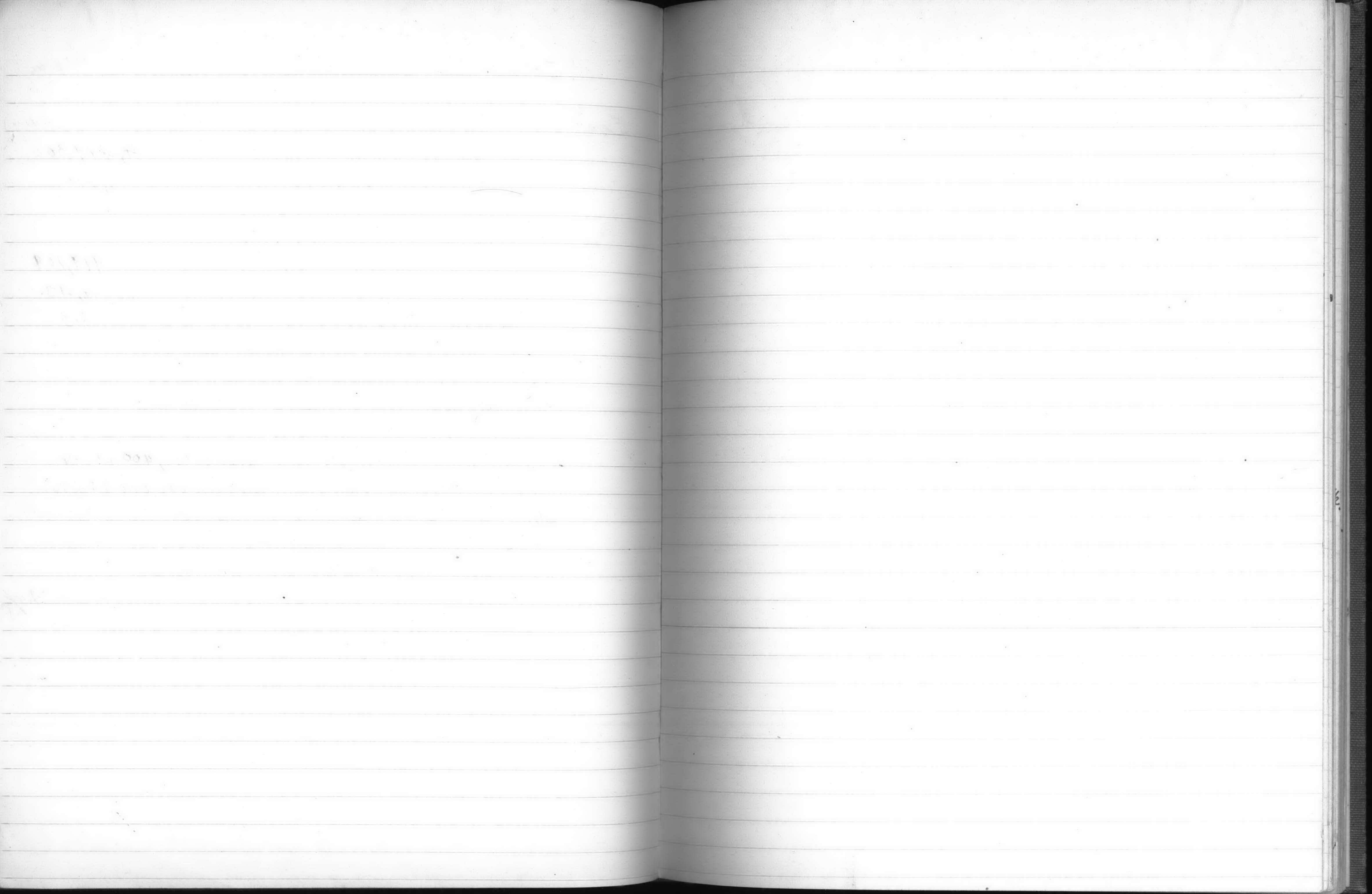
Board Foot Volume by Scribner Log Rule (10 in DBH & up)
Total Board Foot Volume — 4,499,300
Per Acre Volume — 1,010

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



Sweads Point - Ouslow 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 Cont 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 Oak
	30 % Red & White Oak
	10 % mixture, poplar, ash 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 — ~~1,677~~ ~~191~~ 902
Cords per Acre — ~~8.5~~ 6.4

* The discrepancy between acreages and volume 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

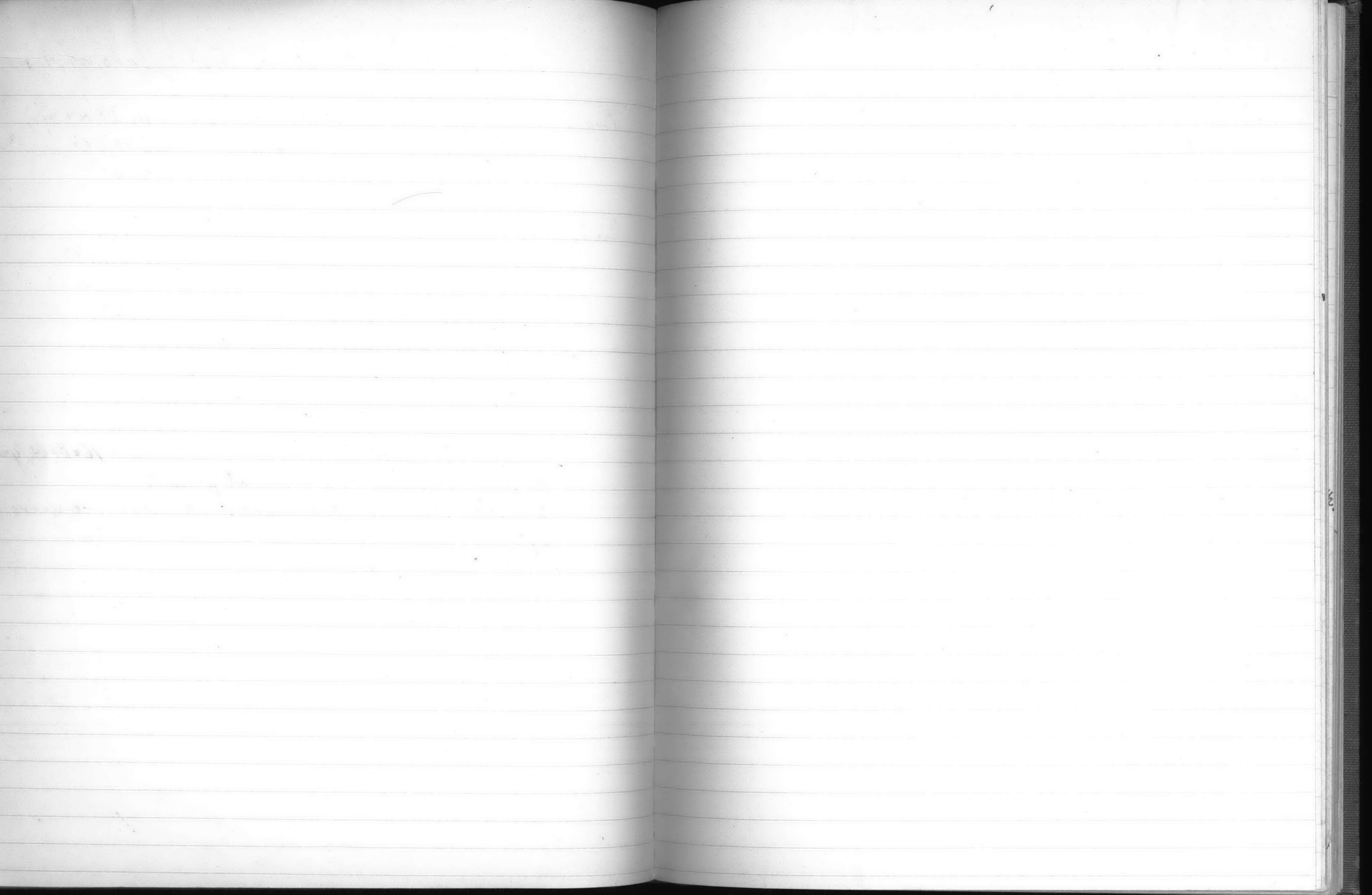
2700 acres over 1,000 BF/Ac present vol, growth 160 BF/Ac/yr.

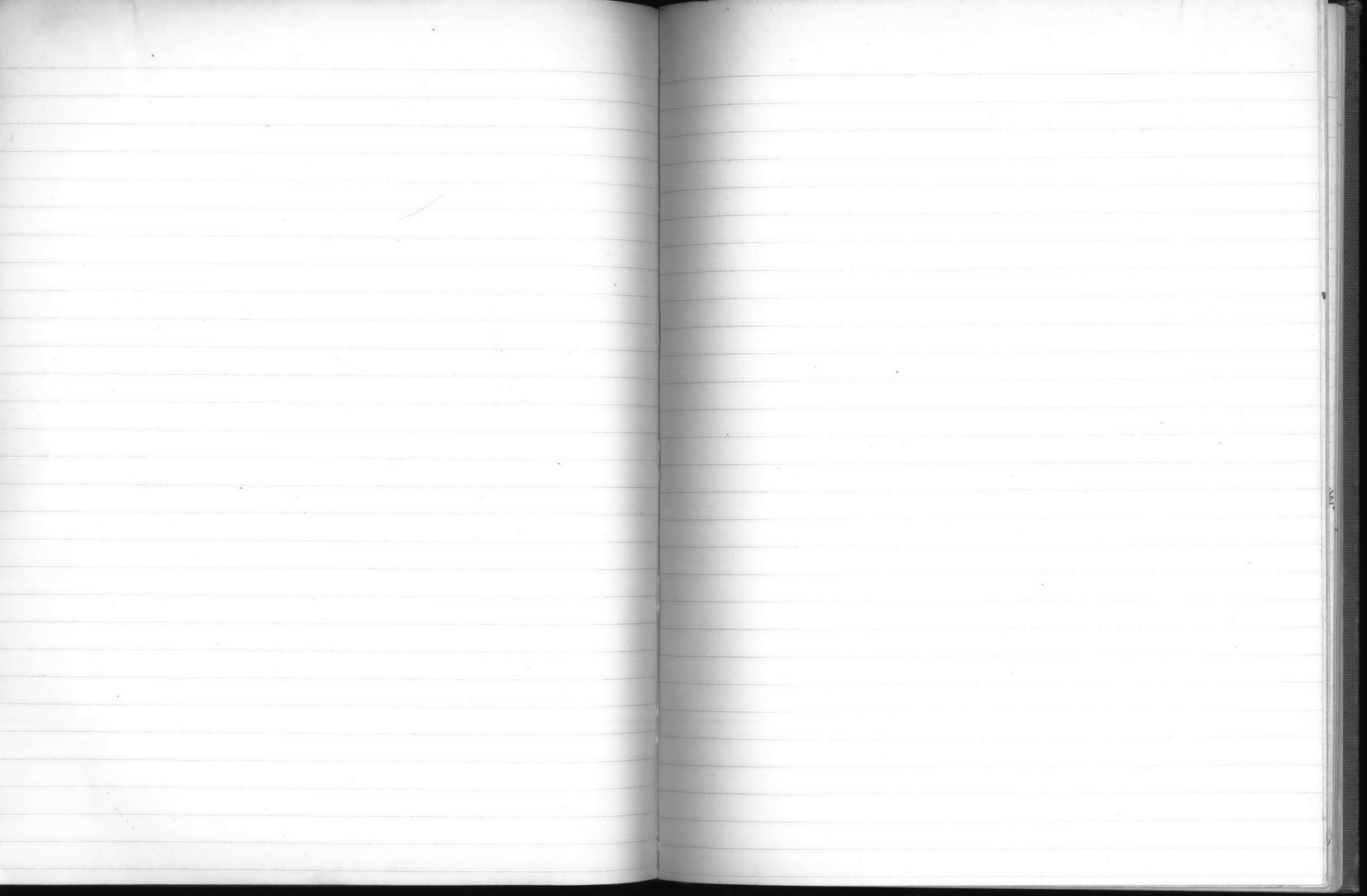
432,000 BF yearly growth, at present

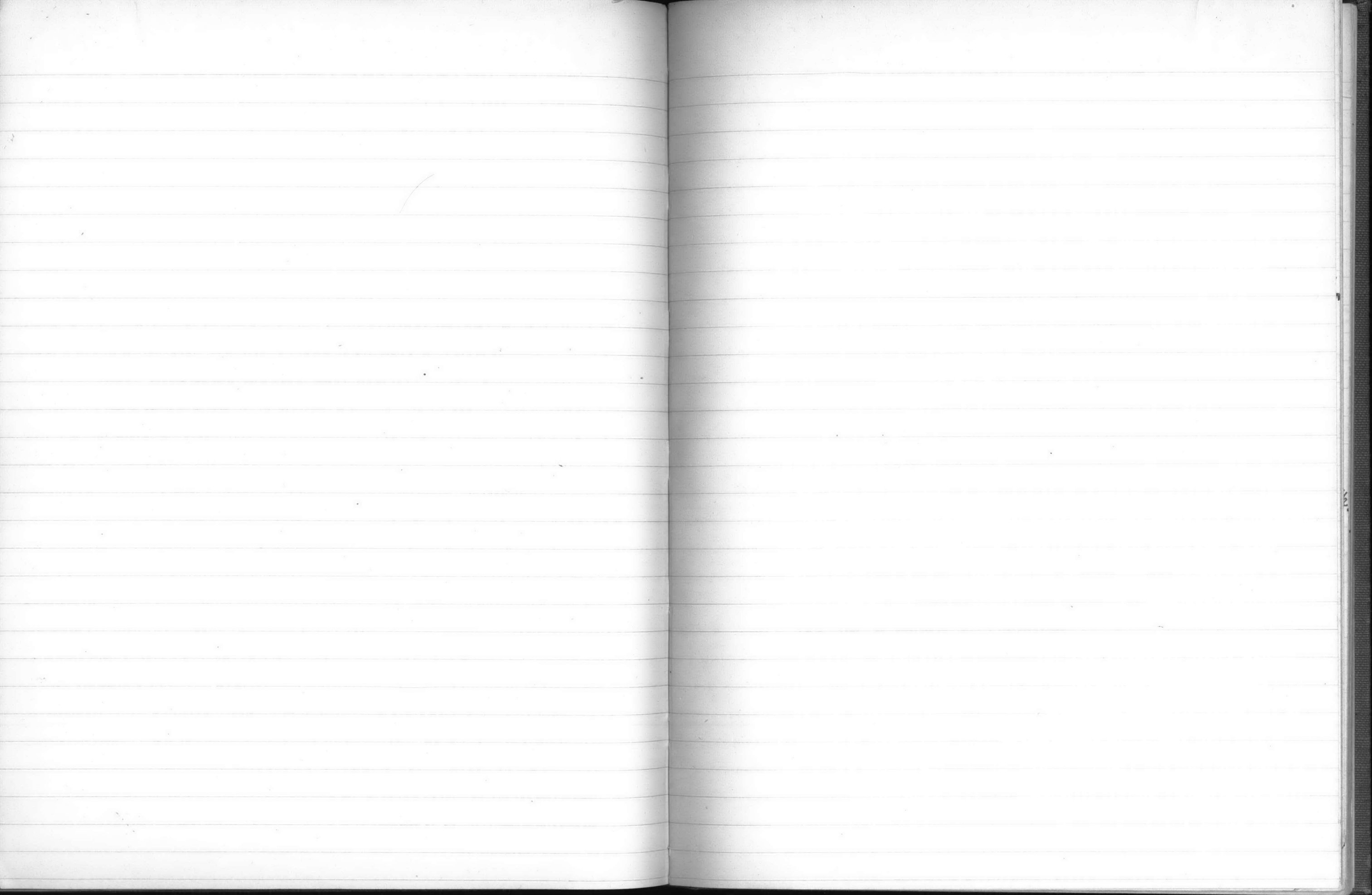
1,200,000 BF expected yearly in future, 30 years.

Spotted, very limby, some short bodied.

1200 acres old field







North Intracoastal Waterway Unit

Acreages:

		7,225	
Total	Acreage	1,625	
	Acreage reserved for other uses	143	
	Non timber producing acreage	2,634	3,231
	Acreage producing timber	3,856	
	Acres pine	3,635	Inc 1750 Ac cutover
	Acres pure longleaf	233	
	Acres pure loblolly	2,563	
	Acres longleaf & loblolly	839	
	Acres hardwood	216	233

Forest Types:

Pine	- -	6	To pure longleaf
		71	To pure loblolly
		23	To longleaf-loblolly mixture
Hardwood	-	70	To black & red gum
		20	To red & white oak
		10	To 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 - 6,761,450
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 - 89,320
Per Acre Volume - 4135

Cubic Volume (8 inches DBH & up)

Total Cubic Feet - ~~143,820~~ 143,820
Total Cords - ~~150~~ 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 — ~~3,725,920~~ 4,509,800
Per Acre Volume — 1,170

Cubic Volume (8 in DBH & up)
Total cubic feet — ~~686,587~~ 819,965
Total cords — ~~8670~~ 9,108
Per acre — 2.4

Growth & Future Volume

1000 acres with over 1000 BF/Ac, gives
a present growth of 160,000 BF yearly. Future,
20 years, 300,000 might be produced.

680 acres old field

2.76

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 - 2279
Acres pure loblolly - 2279
Acres pure longleaf - 0
Acres longleaf-loblolly - 0
Acres Hardwood - 164

Forest Types:

Pine - 100% Pure loblolly
- 7% loblolly-longleaf
Hardwood - 40% Black & Red Gum
50% Red & White Oak
10% Mixture

Present Volumes Now Standing

Pine Timber (on 2279 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 — 349,400

Per Acre Volume — 3,350 BF

Cubic Volume (8 inches DBH & up)

Total Cubic Feet — ~~61,642~~ ^{126,580} 26,580

Total Cords — ~~703~~ 1,406

Cords per Acre — 6.3

* The discrepancy 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 2443 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 equaling 360,000 BF yearly.
In future, 20 years, if fully stocked, can produce 700,000 BF yearly.

250 acres old field

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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. cutover)
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 (112373 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 (8 in DBH & up)

Total Cubic Feet — 1,324,683

Total Cords — 14,720

Per Acre — 6.2

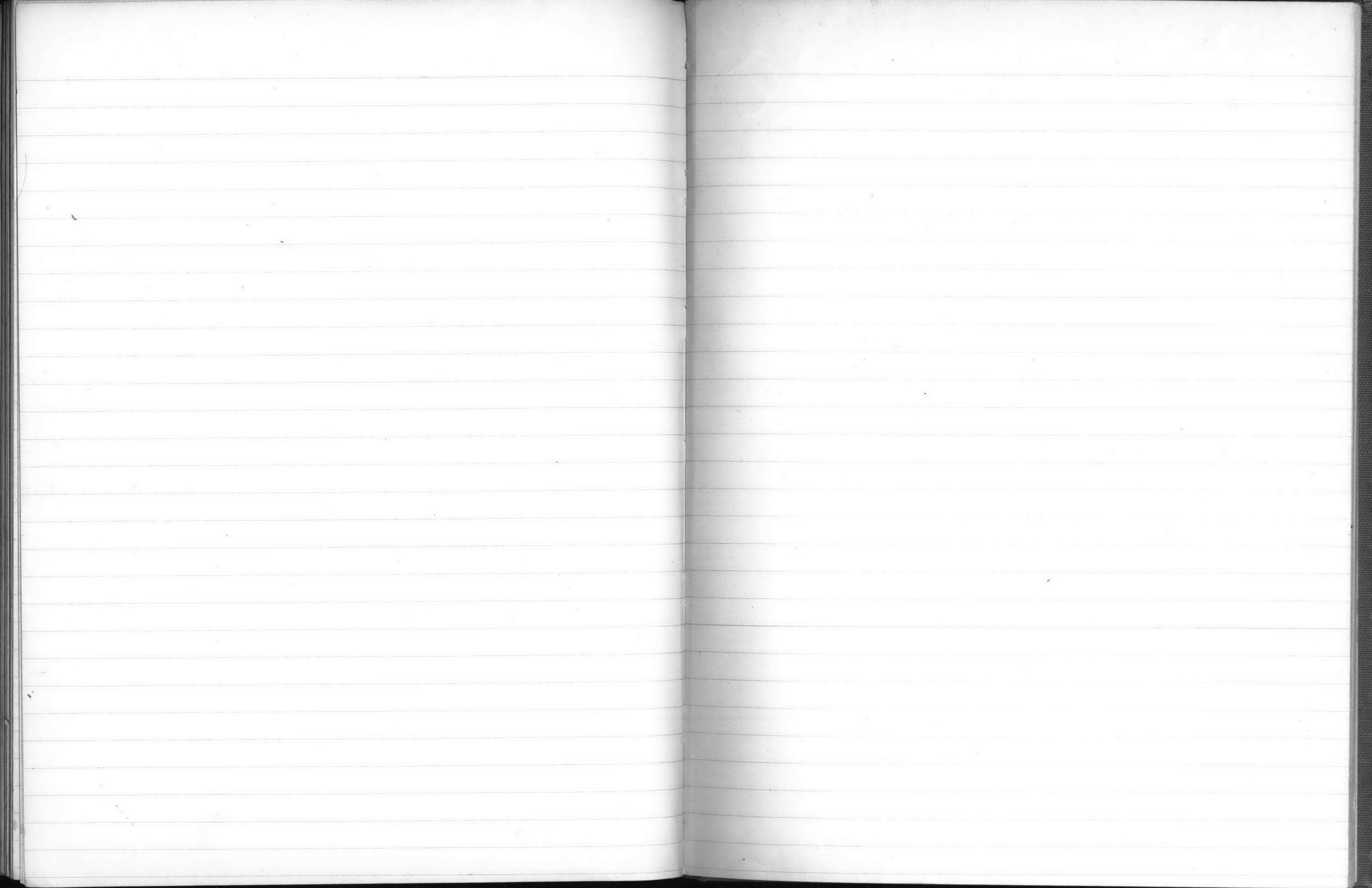
Growth & Future Volume

Fast, long clear bodied, ~~are~~ average 190 BF/Ac/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.

500 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 — 8,246,660
Per Acre Volume — 1,420 BF
Best 500 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 — 19,135,200
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 .

mention Antillean 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 Pt) 84,629.31 (Incl. RR Right of Way)

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 4,451 acres)

Board Foot Volume by Scribner Log Rule (10 in DBH
* Total Board Foot Volume - 18,607,830^{8 up})
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 377 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

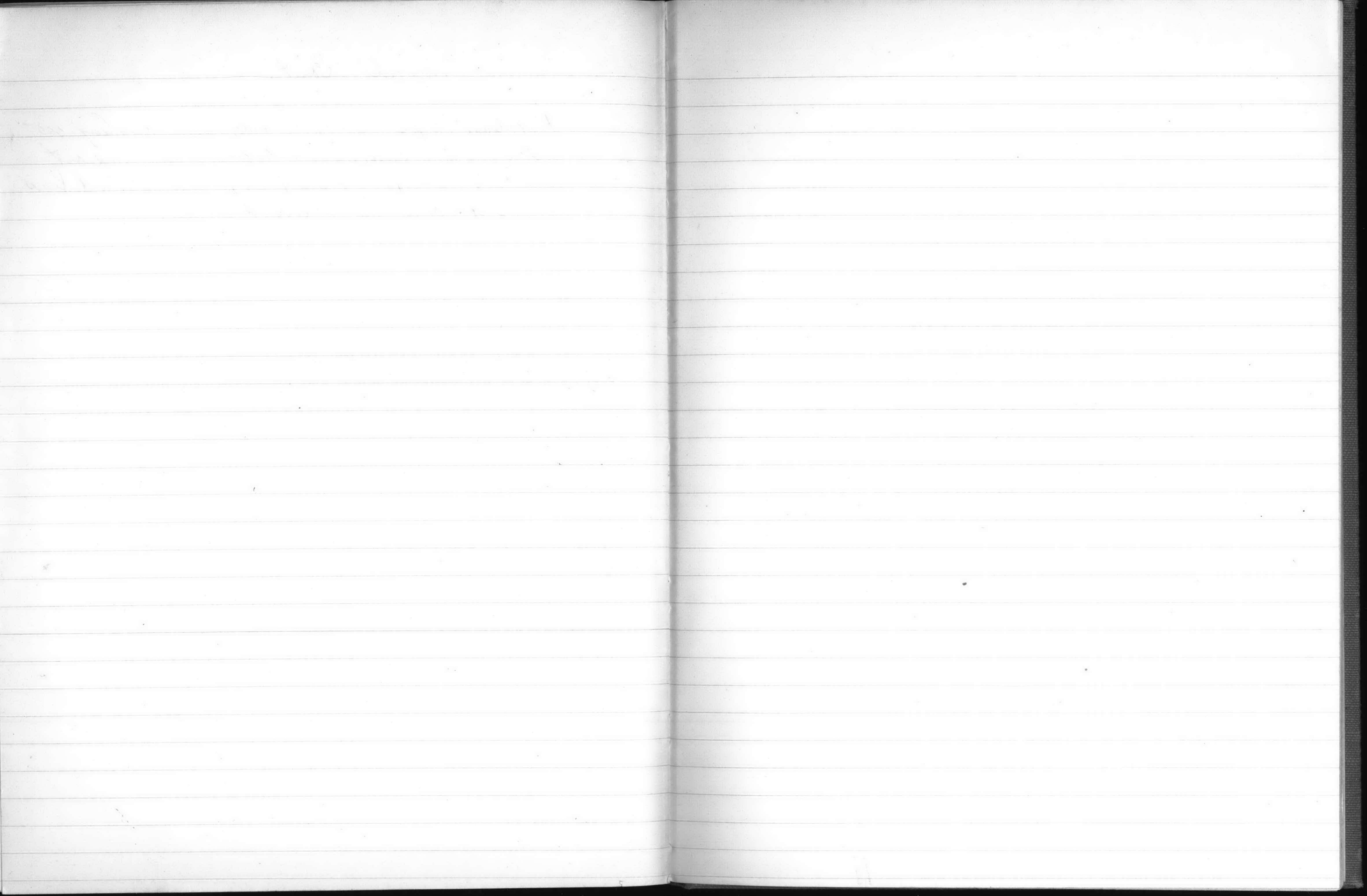
① Miscellaneous Info.

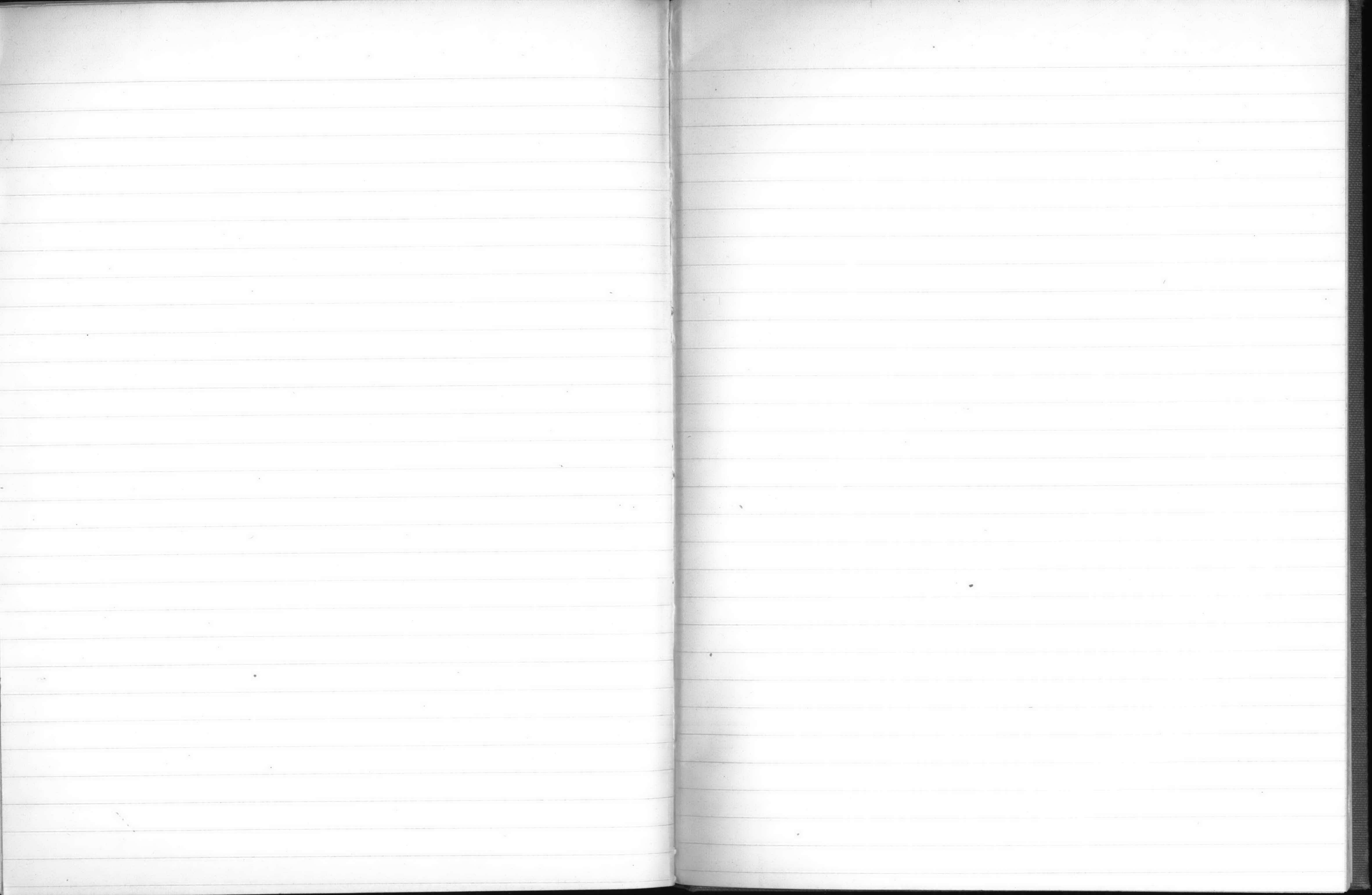
6,110 acres old fields
1,080 " fields plowed 1946 for game food
5,429 acres artillery impact area, 10,000,000 BF
11,180 acres cutover within last 6 yrs
3,180 acres pine-hardwood mixture
98,380,150 BF will saw 115,104,800 BF with 17% overrun mill.

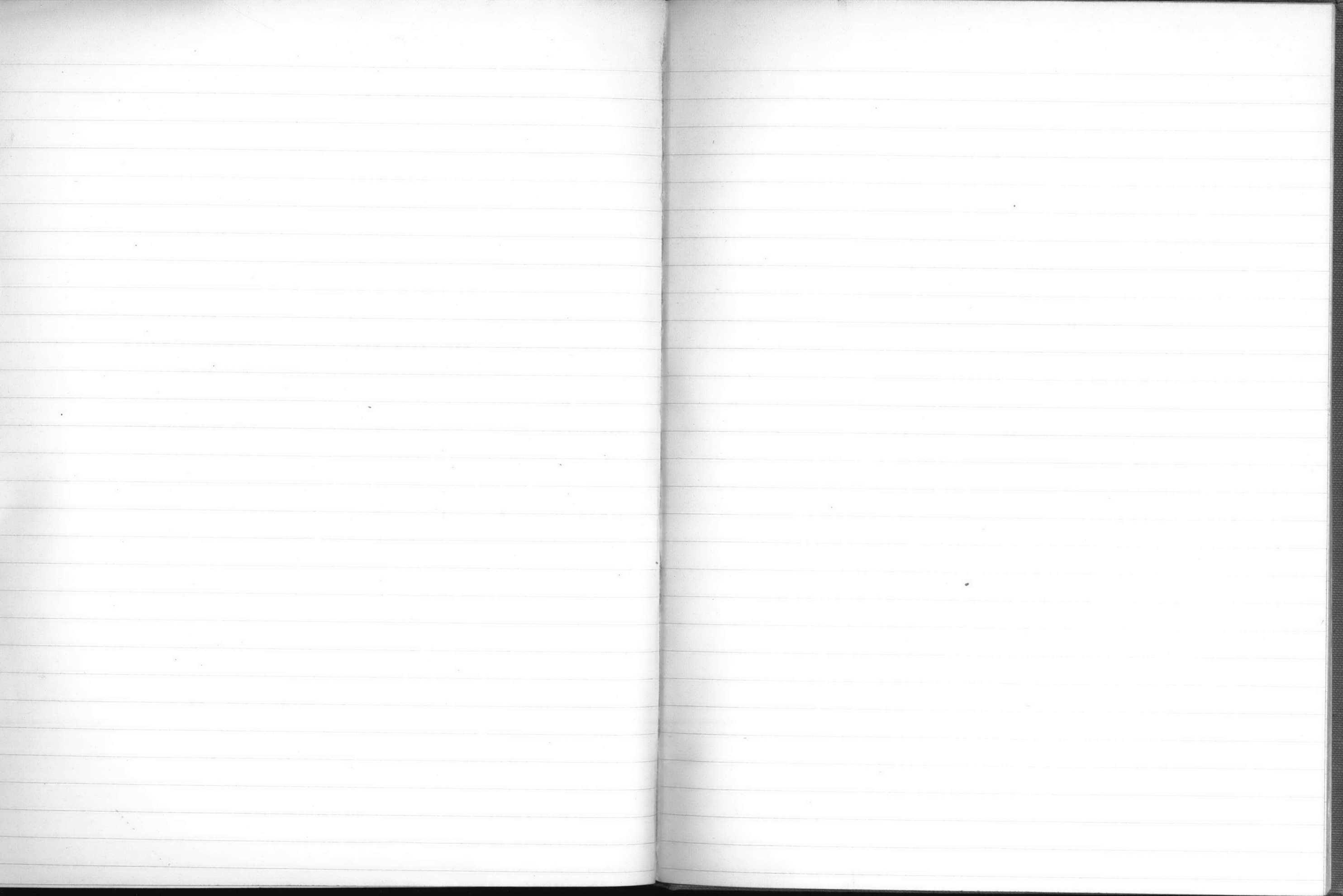
Every 1000 BF = 2 cords pulpwood
{ 29,550 acres can grow 350 BF/Ac/yr
27,330 " " " 200 BF/Ac/yr
→ Makes theoretical growth 15,000,000 BF } in
→ Actual growth 13,000,000 BF } 20 yrs
→ Present growth 5,442,000 BF/Ac/yr.
→ This makes cut of 1,080,000 yearly or 40,000 to 50,000 BF daily

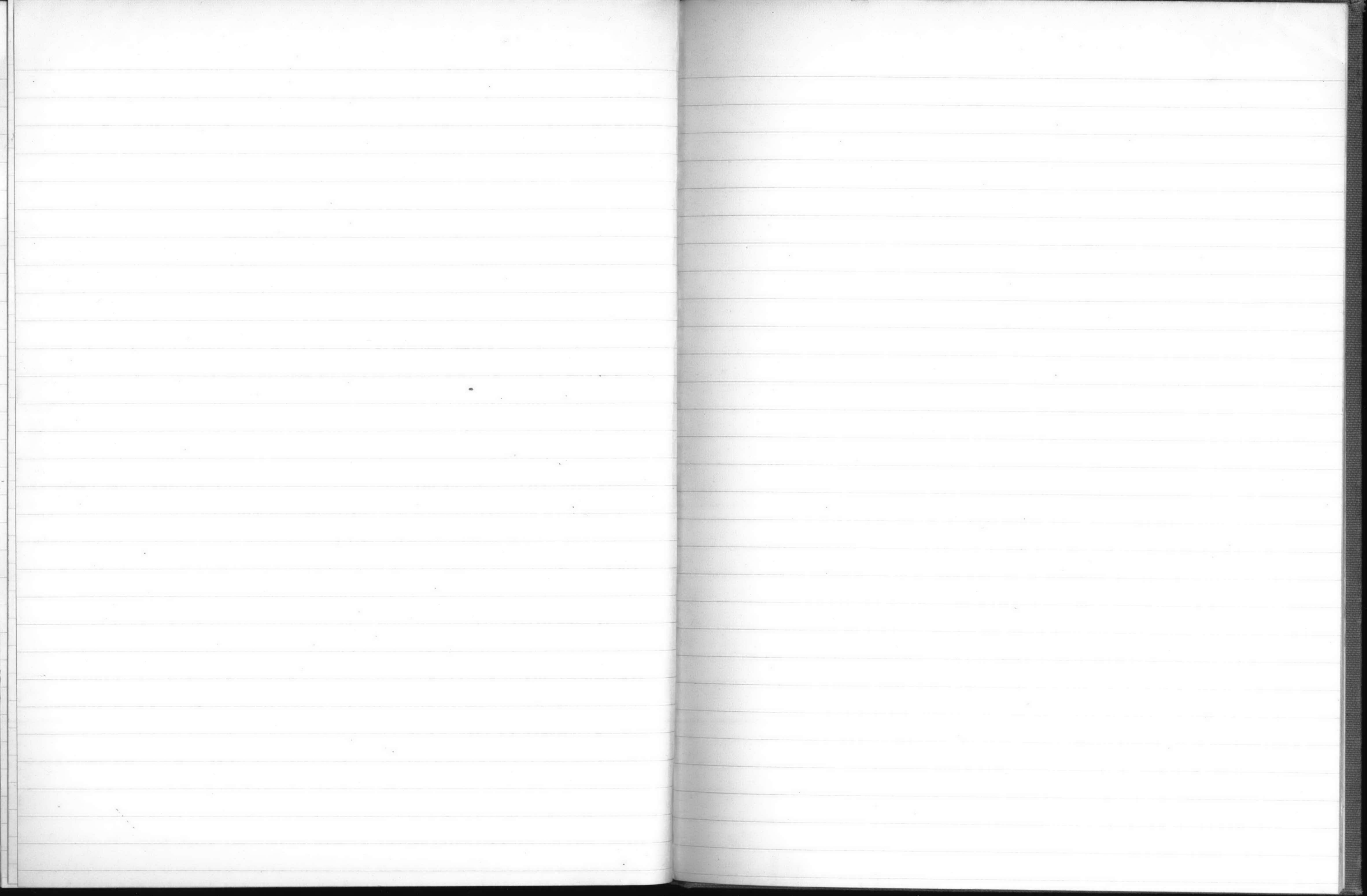
Miscall - Cont.

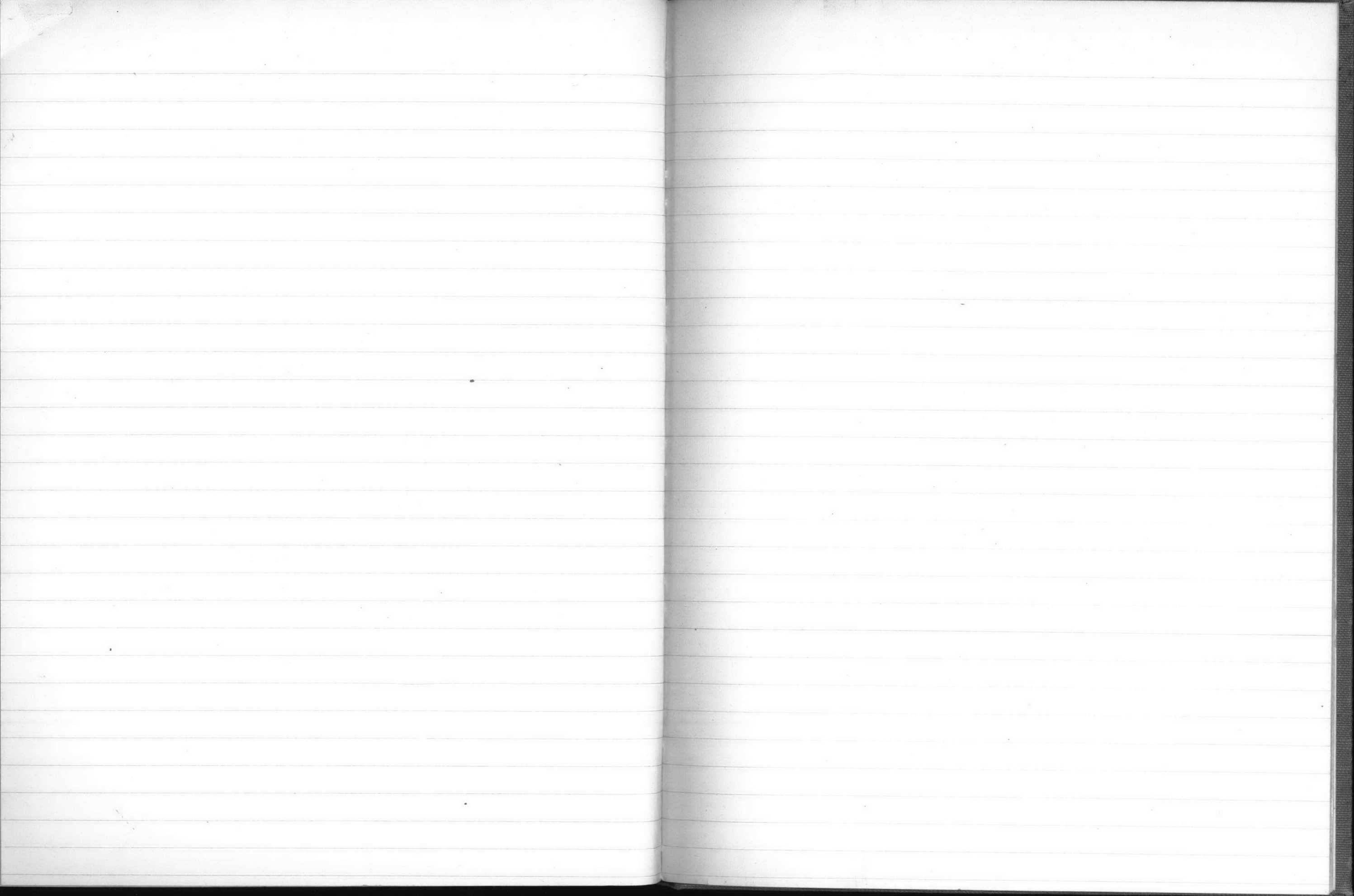
Rotation ages - Loblolly 45, Longleaf 75
Suggested cutting schedule - see report
To date 363,800 pine, 50,100 BF hardwood has
been cut on the cruised areas.

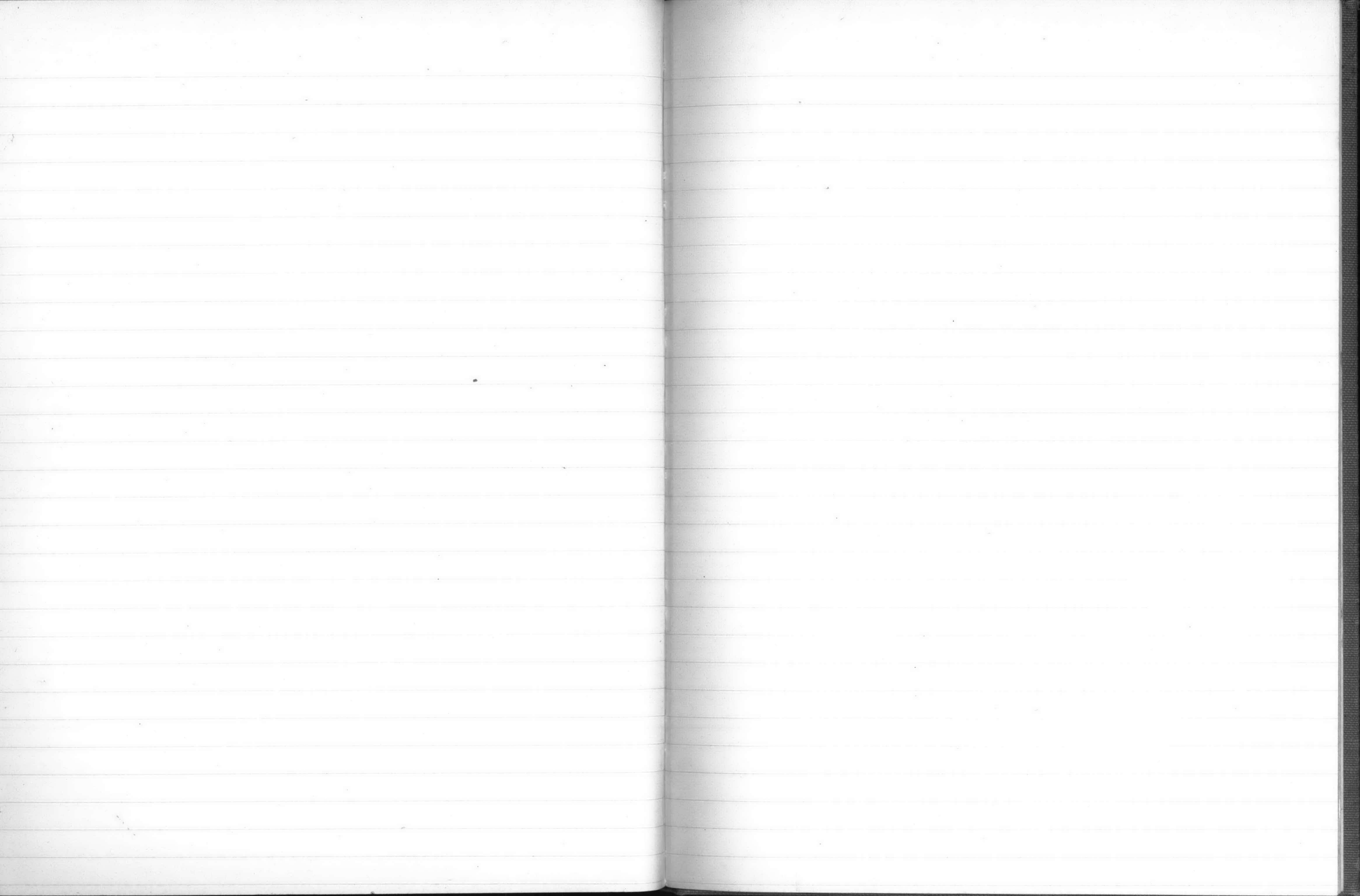


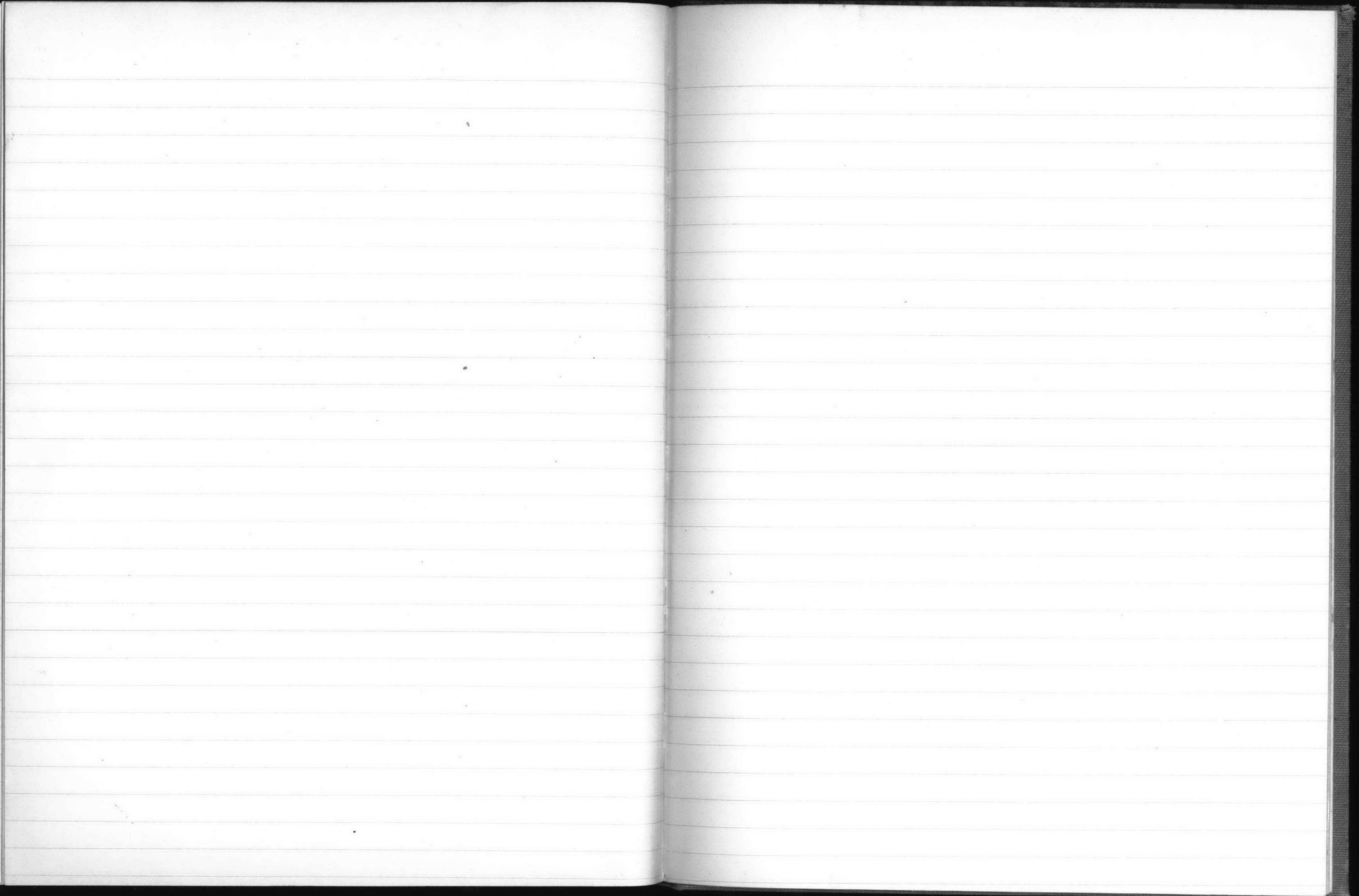


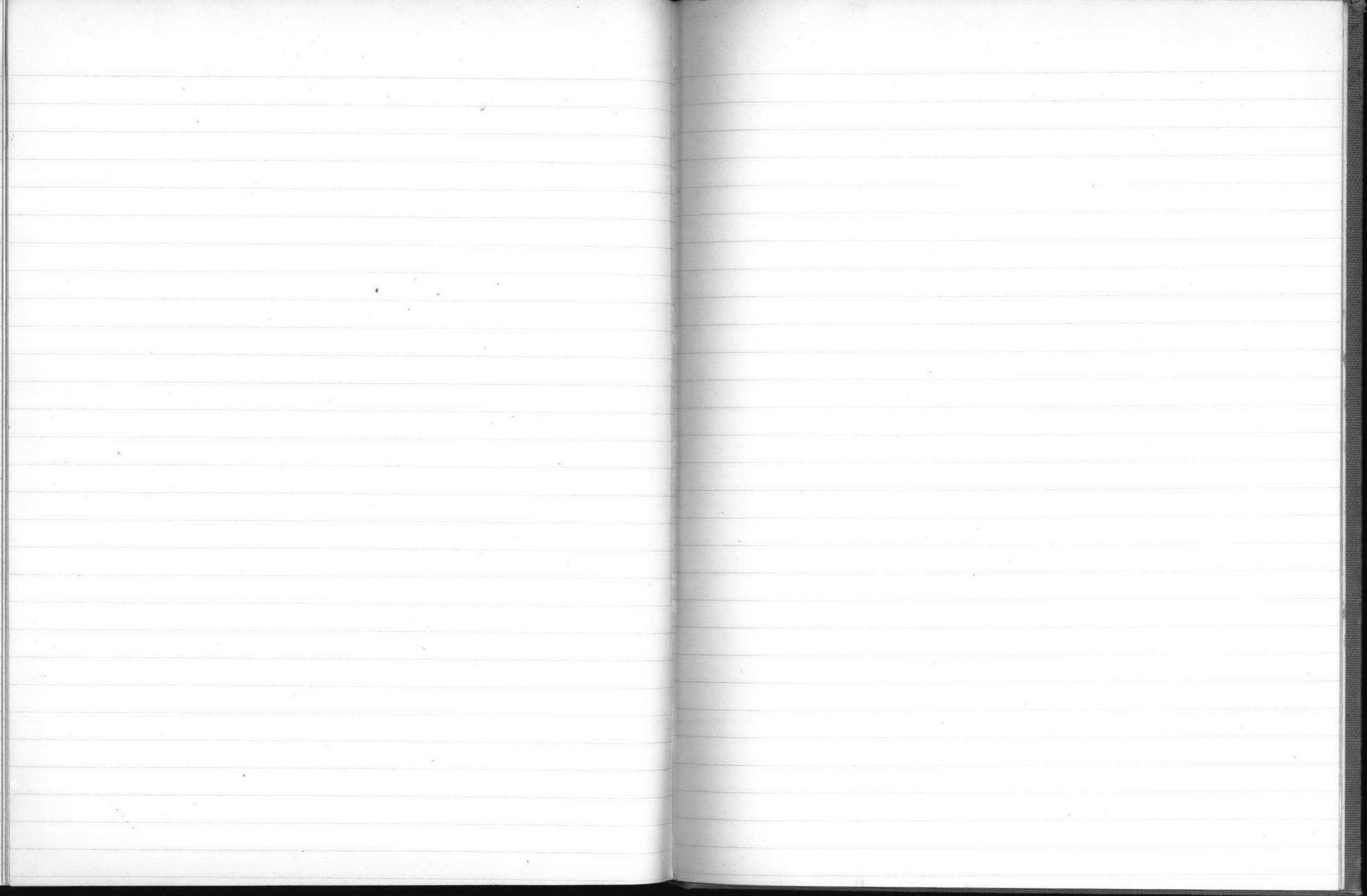


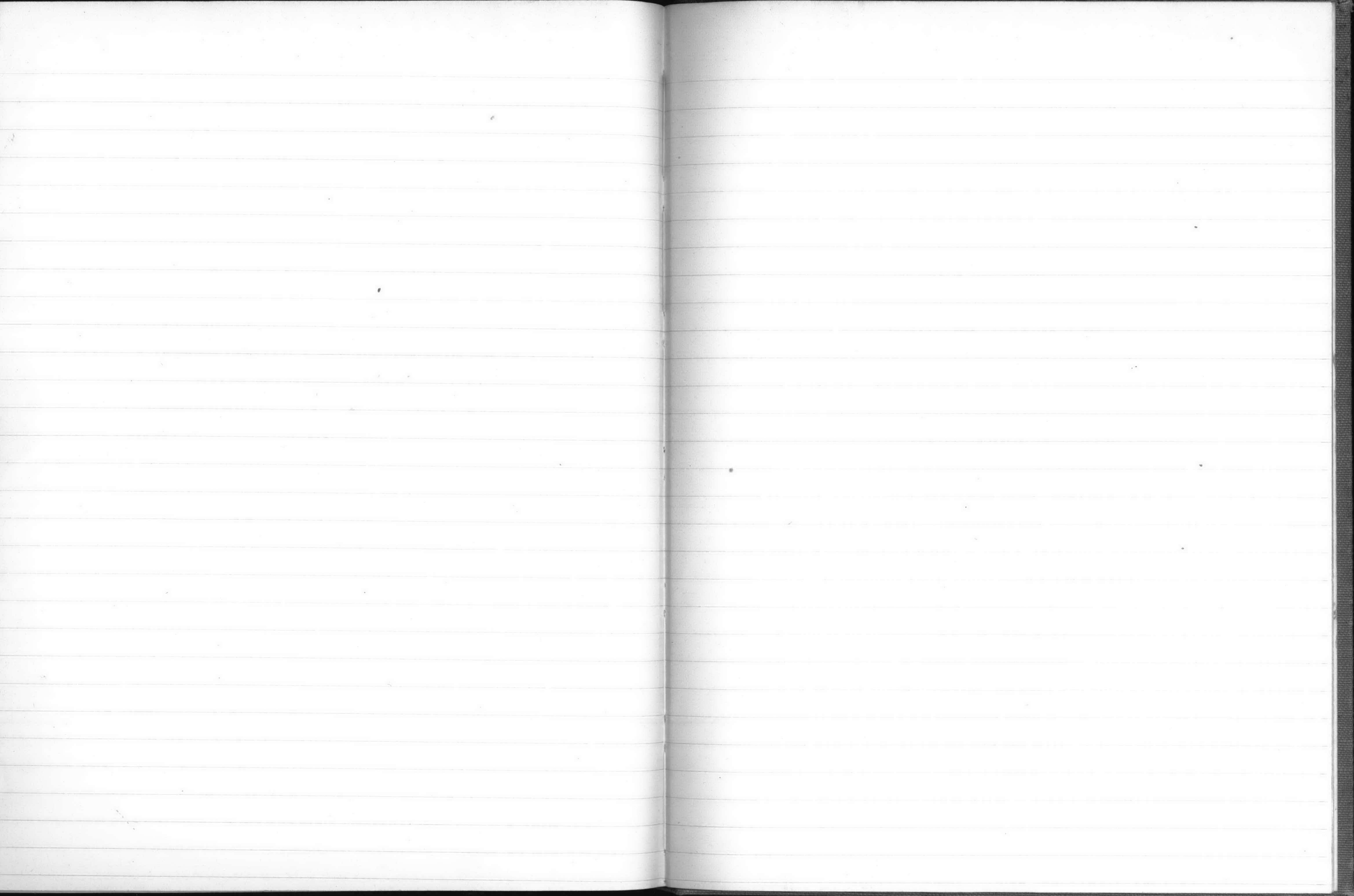


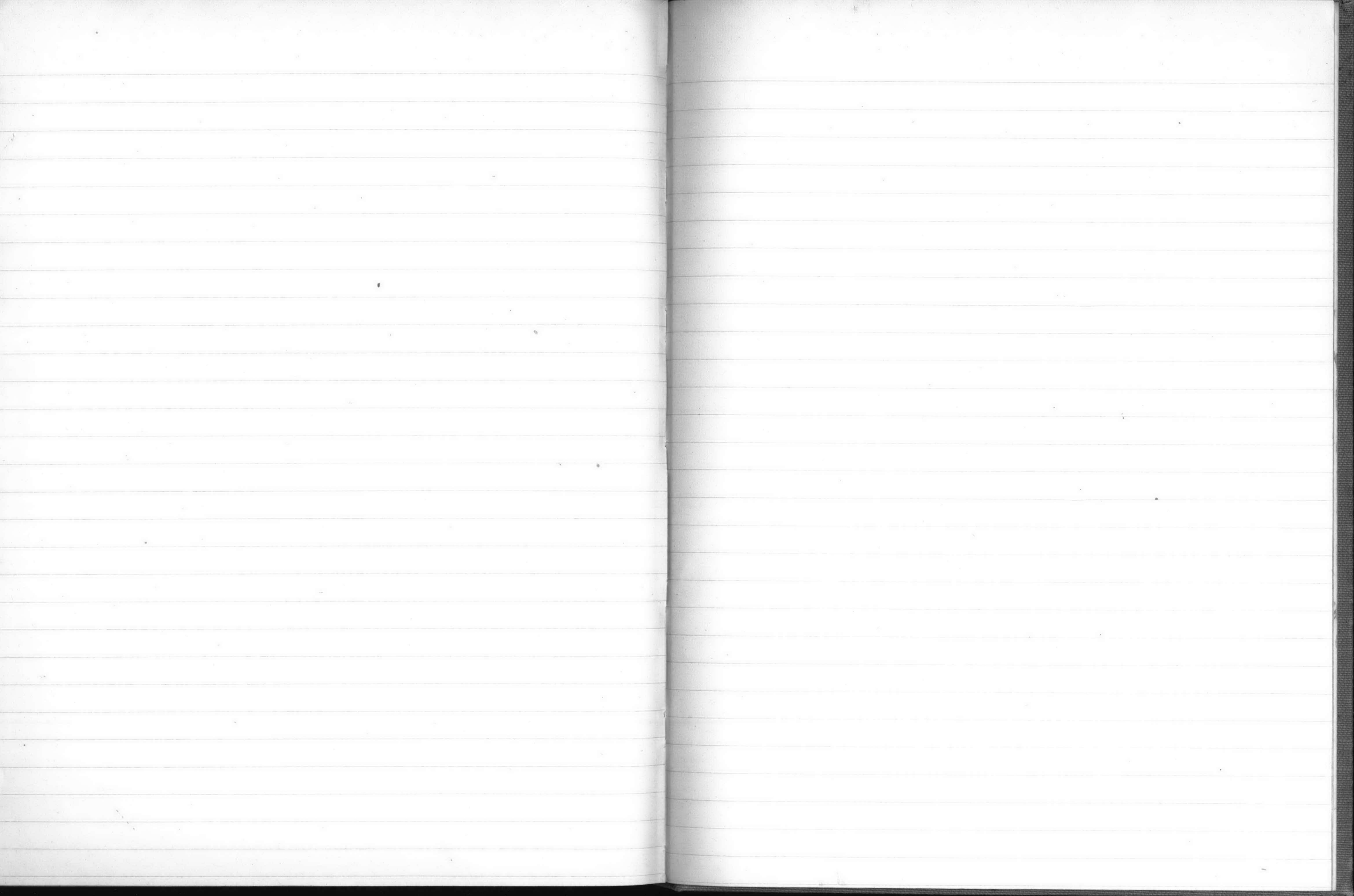


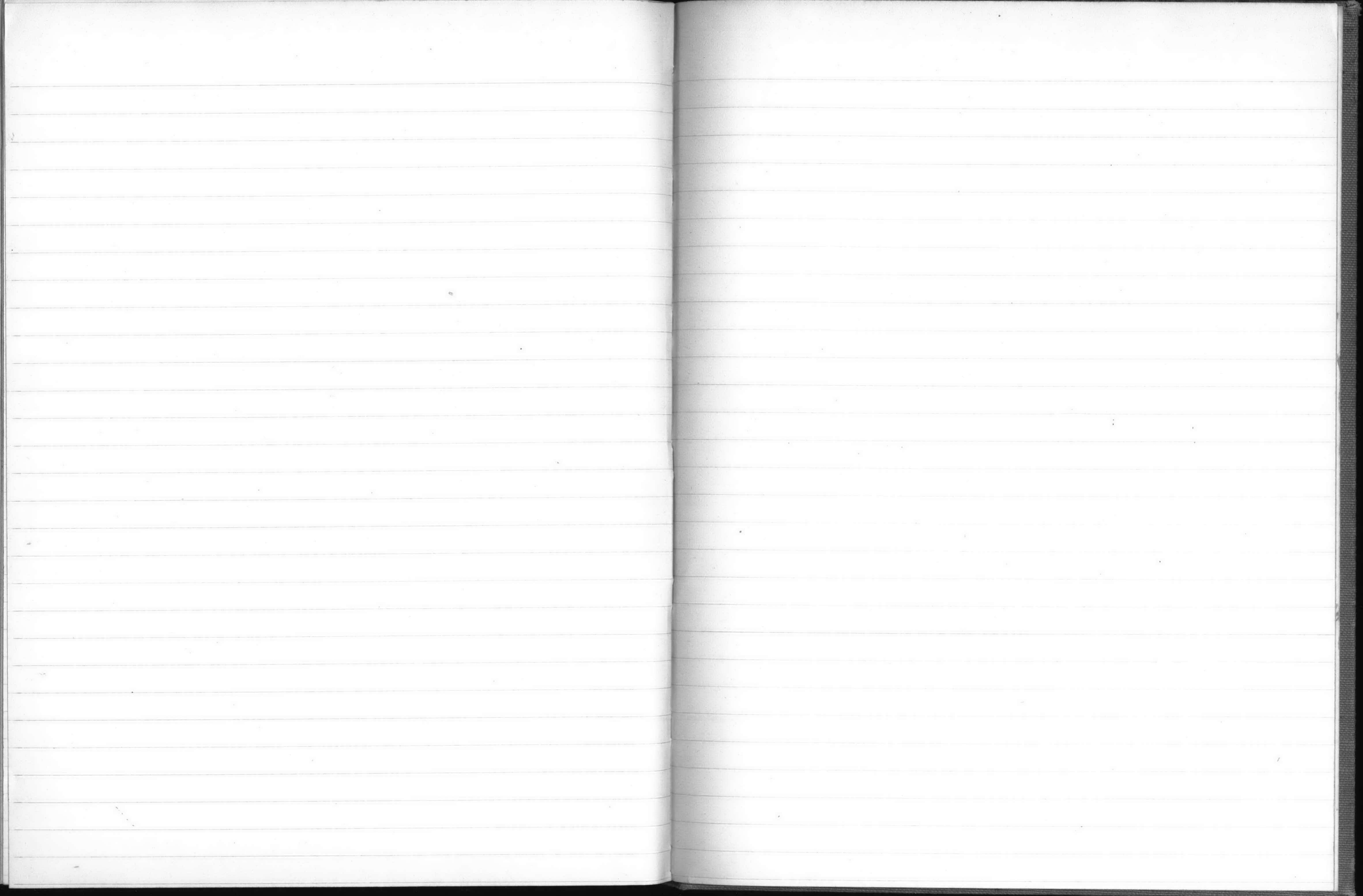


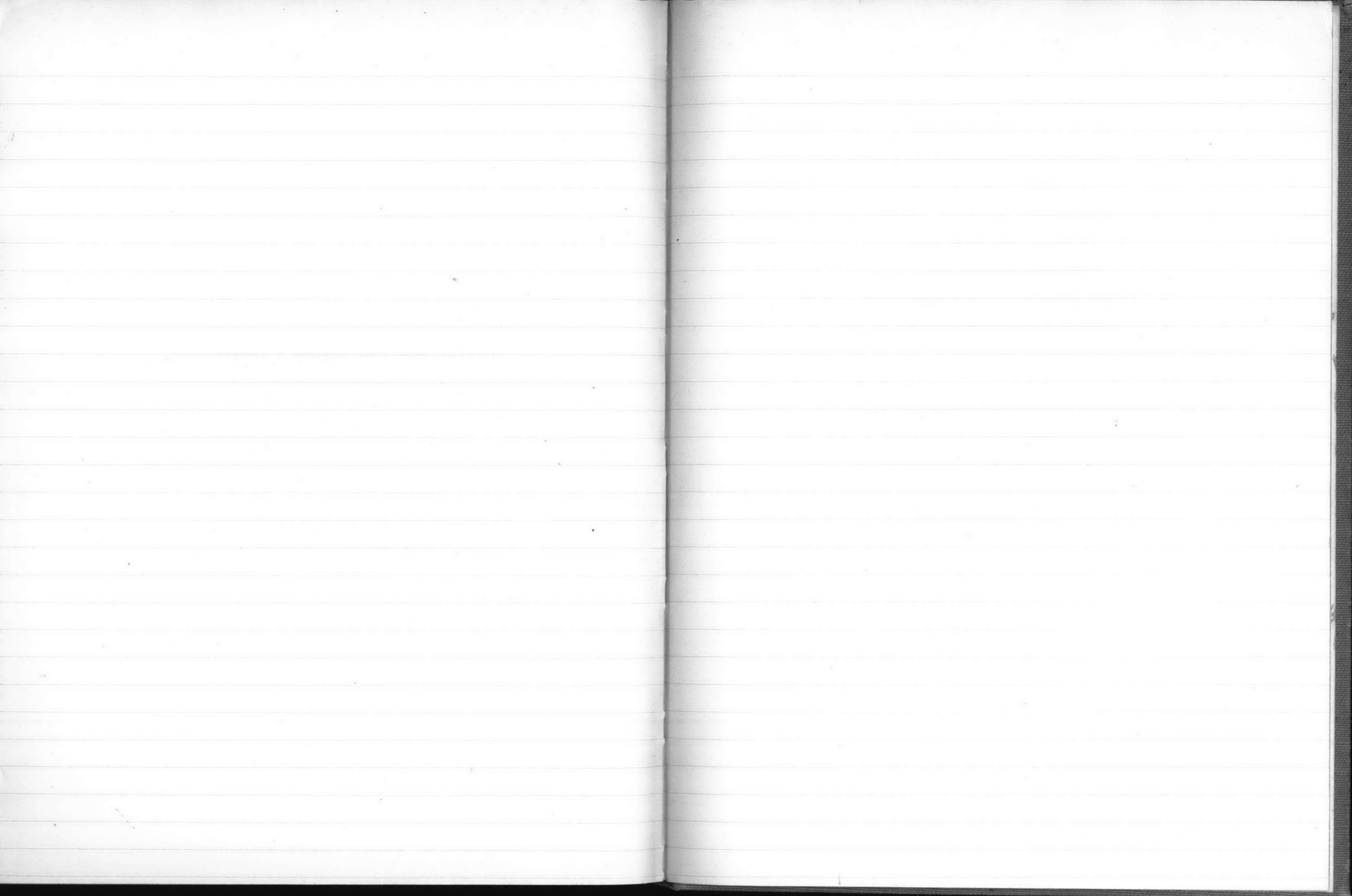


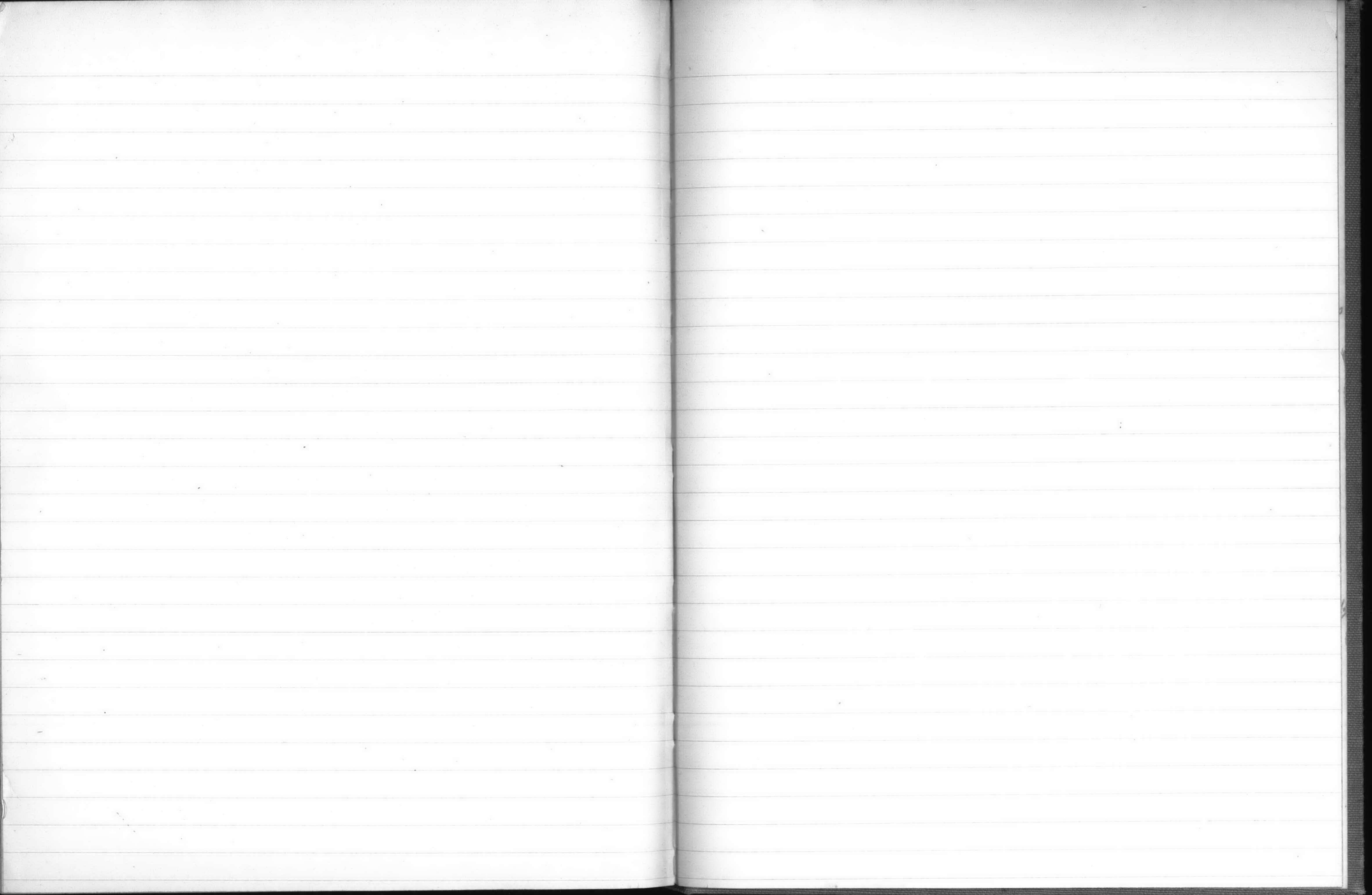


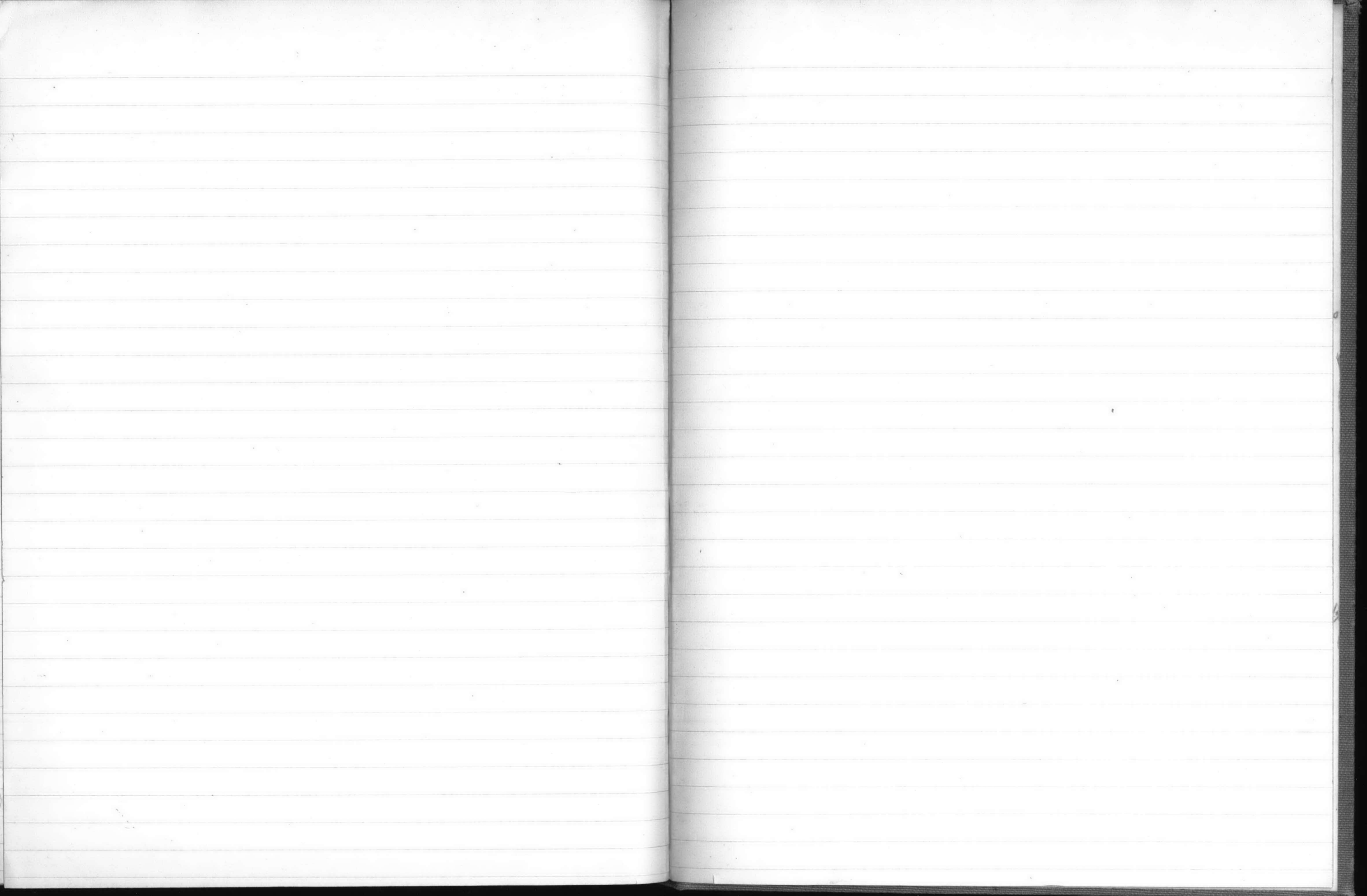


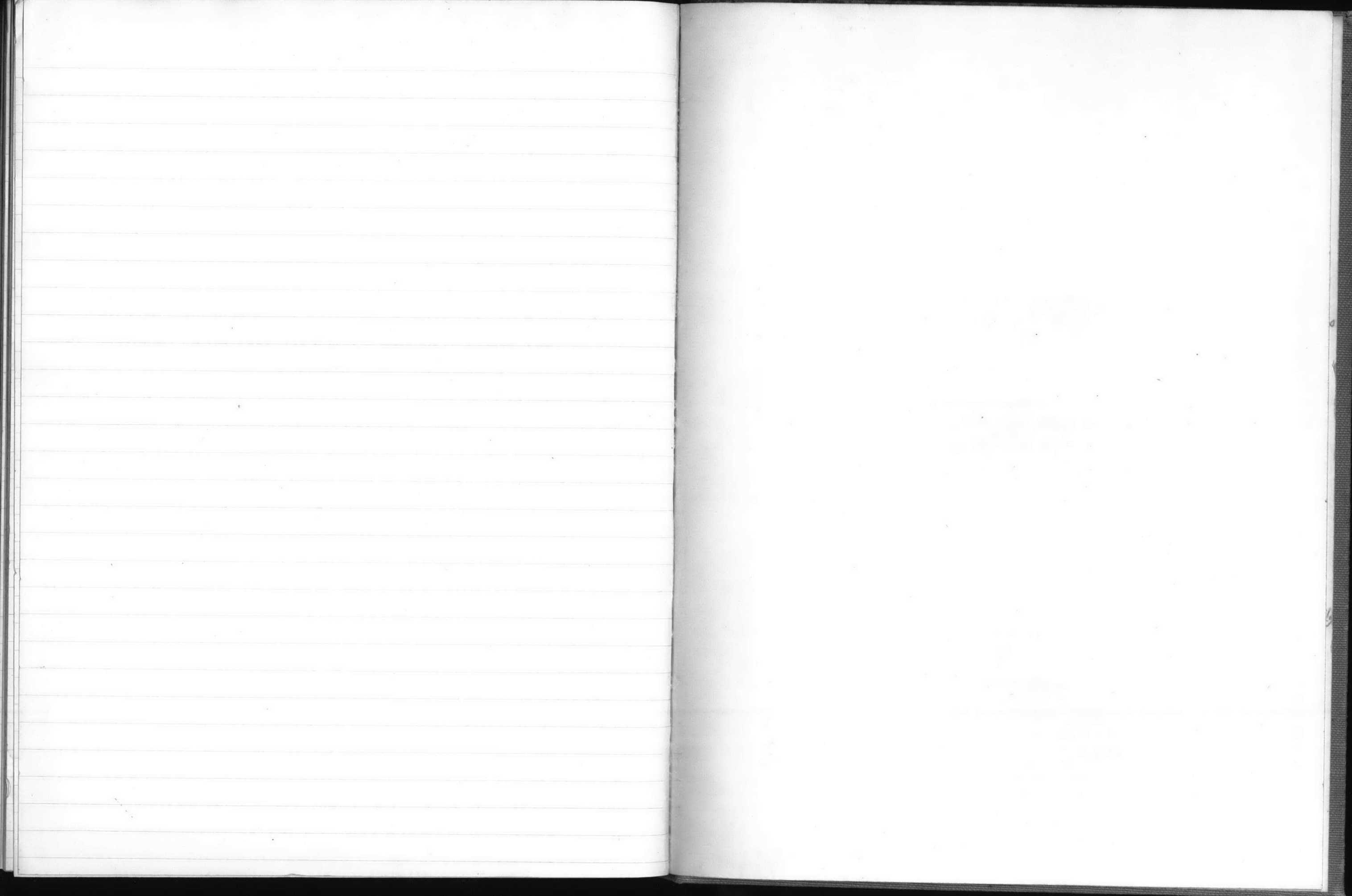












43,560 sq ft }
4,840 sq yds } acre

BF/Cu Ft Vol.

Ratio - approx 20 per every 1000 BF.

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

Key To Map Colors

Reproduction {
Good - 2200 & above - Red
Fair - 1700 to 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 per 100 yds
0-49 - blue 0-25

Type {
Logged - yellow
Hdw - 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

