

FORESTS DEPARTMENT

Form F.D. 80 B

FORESTS DEPARTMENT

DWEELLINGUP

Office

To CONSERVATOR OF FORESTS.

12th February 1953.

PERTH

PERTH. W.A.

Western Australia

Reference—H.O.

Local

SUBJECT: BARK THICKNESS - JARRAH & MARRI.

During the course of various silvicultural and growth studies of Jarrah regrowth, A.D.F.O. Loneragan has taken the opportunity to check bark thickness of Jarrah and Marri using a modified Swedish Bark Gauge.

Figures have been obtained from 500 jarrah and 100 marri. The figures have been tabulated in girth classes to 48" girth and the means plotted.

Copies of the graphs are appended for your information.

The interesting feature of both curves is the progressive increase in bark thickness with girth. In the case of Jarrah, this would appear to level out about 1.4 inches (i.e. 8.8 inches girth). With Marri, which shows a consistently greater thickness the levelling point may be 1.6 inches (i.e. 10 inches in girth).

The curves are not regular and we are unable to explain the flat section after 20" girth over bark. It is thought that the sample trees up to 20 inches may never have suffered fire damage, while from 20 inches to 40 inches, practically all trees have suffered some fire damage in their earlier history. If some residual fire effect still remains, it is suggested that complete protection may have the effect of raising this section to the vicinity of the dotted curve.

I should be interested to discuss this with you.

R.F.O.
R.F.O.

See 20/2/53 (for Cons)

CONSERVATION OF FORESTS

Kemp 92
see 17/5/53 17.2.53

JARRAH REGROWTH G.B.H. o.b./ G.B.H. u.b. 12" - 80"

G.B.H. o.b.	G.B.H. u.b.	G.B.H. o.b.	G.B.H. u.b.	G.B.H. o.b.	G.B.H. u.b.	G.B.H. o.b.	G.B.H. u.b.
12.0	7.5	29.0	23.25	46.0	39.5	63.5	56.0
12.5	8.0	29.5	23.75	46.5	40.0	64.0	56.5
13.0	8.25	30.0	24.25	47.0	40.25	64.5	57.0
13.5	8.75	30.5	24.75	47.5	40.75	65.0	57.5
14.0	9.25	31.0	25.0	48.0	41.25	65.5	58.0
14.5	9.5	31.5	25.5	48.5	41.5	66.0	58.5
15.0	10.0	32.0	26.0	49.0	42.0	66.5	58.75
15.5	10.5	32.5	26.5	49.5	42.5	67.0	59.25
16.0	11.0	33.0	27.0	50.0	43.0	67.5	59.75
16.5	11.5	33.5	27.5	50.5	43.5	68.0	60.25
17.0	12.0	34.0	28.0	51.0	44.0	68.5	60.5
17.5	12.5	34.5	28.5	51.5	44.5	69.0	61.0
18.0	13.0	35.0	29.0	52.0	45.0	69.5	61.5
18.5	13.5	35.5	29.5	52.5	45.5	70.0	62.0
19.0	14.0	36.0	30.0	53.0	46.0	70.5	62.5
19.5	14.5	36.5	30.5	53.5	46.5	71.0	63.0
20.0	15.0	37.0	31.0	54.0	47.0	71.5	63.5
20.5	15.5	37.5	31.5	54.5	47.5	72.0	64.0
21.0	16.0	38.0	31.75	55.0	48.0	72.5	64.5
21.5	16.5	38.5	32.25	55.5	48.5	73.0	65.0
22.0	17.0	39.0	32.75	56.0	48.75	73.5	65.5
22.5	17.5	39.5	33.25	56.5	49.25	74.0	66.0
23.0	17.75	40.0	33.5	57.0	49.75	74.5	66.25
23.5	18.25	40.5	34.0	57.5	50.25	75.0	66.75
24.0	18.75	41.0	34.5	58.0	50.75	75.5	67.25
24.5	19.25	41.5	35.0	58.5	51.0	76.0	67.75
25.0	19.5	42.0	35.5	59.0	51.5	76.5	68.25
25.5	20.0	42.5	36.0	59.5	52.0	77.0	68.75
26.0	20.5	43.0	36.5	60.0	52.5	77.5	69.0
26.5	21.0	43.5	37.0	60.5	53.0	78.0	69.5
27.0	21.5	44.0	37.5	61.0	53.5	78.5	70.0
27.5	22.0	44.5	38.0	61.5	54.0	79.0	70.5
28.0	22.5	45.0	38.5	62.0	54.5	79.5	71.0
28.5	22.75	45.5	39.0	62.5	55.0	80.0	71.5
				63.0	55.5	80.5	72.0

assumed GBHUB for GBHOB
in 1957 Jarrah Volume Table.
up to 60" GBHOB only.
above 60" for Regrowth trees
used only.

BARK THICKNESS

Dec. 1952

Bark Thickness

Radius
inches

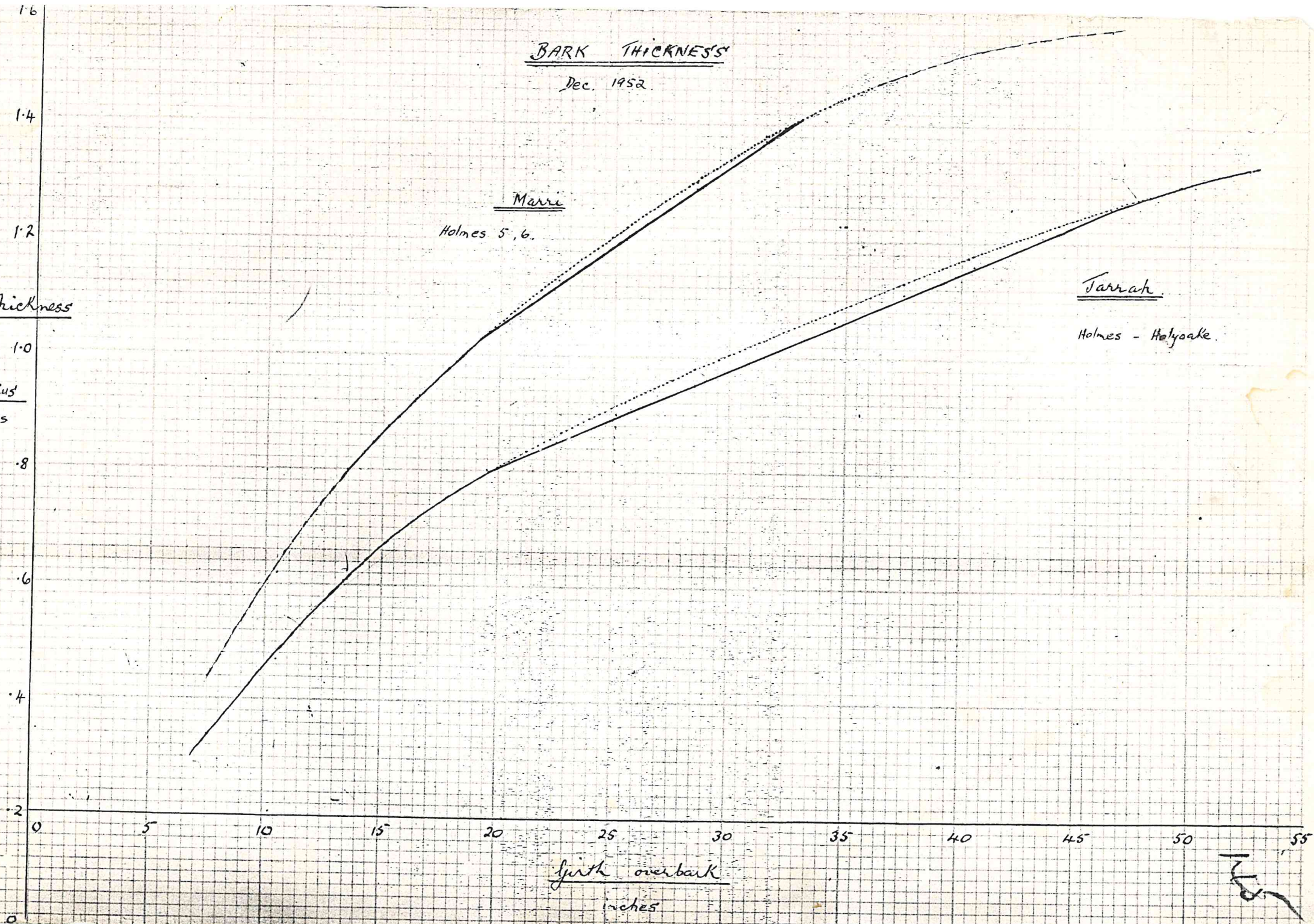
Maru

Holmes 5, 6.

Tarrak

Holmes - Halyoake.

Girth over bark
inches



GIRTHS UNDER - BARK

92
10/4

Based on - BARK THICKNESS - December 1952

(Holmes - Holyoke)

