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KARRI POLE VOLUME TABLE

PREPARED BY

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INVENTORY AND PLANNING SECTION

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GUIDE TO THE KARRI POLE VOLUME TABLE

This table has been constructed for use when assessing karri (*Eucalyptus diversicolor*) pole stands. The table is a three way table and provides volume underbark of sections of standing tree boles to a given height above ground, excluding a 30 centimetre stump. It also gives volume underbark to a top diameter limit (T.D.L.) of 15 centimetres underbark and a volume underbark of the stump section between 10 centimetres and 30 centimetres above ground. T.D.L. and volume underbark of stump measurements are tabulated down the right hand side of the table.

The table was constructed from measurements of 220 trees.

VOLUME TABLE CONSTRUCTION

1. TABULATION

1.1 Total Heights are tabulated for

10 - 20 metres in 1 metre increments
20 - 60 metres in 2 metre increments

1.2 Heights Above Ground are tabulated within each total height class as:

1 - 5 metres in 0.5 metre increments
5 - 20 metres in 1.0 metre increments
20 - 44 metres in 2.0 metre increments

1.3 Diameter at Breast Height Overbark (D.B.H.O.B.) is tabulated in 1 centimetre increments to 120 centimetres.

1.4 Volumes are in cubic metres.

2. ALLOWANCES

2.1 Stump Heights

Nominal stump height is 30 centimetres.

2.2 Bark Thickness

Taken to be 1 centimetre for every 10 centimetres of diameter overbark to a maximum of 7 centimetres.

3. CALCULATIONS

3.1 Diameter at Breast Height Underbark (cm)

$$\text{DBHUB} = -2.28602 + (0.94091 \cdot \text{DBHOB})$$

3.2 Diameter at Height 'H' (cm)

Given THT = Total Height

DBHUB = Diameter at Breast Height Underbark

BH = Breast Height = 1.3 metres

Let the parameters

$$\text{TAPER} = (\text{THT} - \text{H}) / (\text{THT} - \text{BH})$$

$$P1 = 0.11271744$$

$$P2 = 0.86081824$$

$$P3 = 22.30953$$

$$P4 = -1.683813E -02$$

$$\text{FACTOR} = 1.0 - P1 . (P2 - \text{TAPER}) . (P3 - \text{TAPER}) \\ . (P4 - \text{TAPER}) . (1 - \text{TAPER})$$

Then Diameter at Height "H" = DBHUB . TAPER . FACTOR

3.3 Volumes (cu.m)

The volume of a bole section is calculated using the mid-section diameter and length of the section (Huber's Formula). Sections are of the lengths given by the difference between successive heights above ground. Volume to a tabulated height above ground is the sum of the volumes of the sections below, excluding stump volume for a stump height of 30 centimetres above ground.

Volume of the stump is given separately for the section between 10 centimetres and 30 centimetres above ground.

3.4 Crown Break (m)

Crown break is estimated to be two thirds total height. Volumes are estimated for additional heights. These volumes allow for actual crown breaks exceeding estimated crown break.

3.5 For trees exceeding the upper limits of this table refer to Mature Karri Volume Table.

HOW TO USE THE VOLUME TABLE

For consistency, where measurements are midway between classes, heights should be taken to the class below and diameters to the class above.

To calculate the volume underbark of a bole section:

1. Find the tabulated TOTAL HEIGHT nearest the one you have estimated.
2. Find the column having HEIGHT ABOVE GROUND nearest the height of the lower end of the bole section.
3. Find the row having the DBHOB nearest the DBHOB you have measured.
4. Read off the VOLUME LOWER, which is the volume from the stump to the lower end of the bole section.
5. Within the same TOTAL HEIGHT class, find the column having the HEIGHT ABOVE GROUND nearest the height of the upper end of the bole section.
6. As for 3.
7. Read off the VOLUME UPPER, which is the volume from the stump to the upper end of the bole section.
8. Volume of section = VOLUME UPPER - VOLUME LOWER.

To calculate volume underbark to the TOP DIAMETER LIMIT (T.D.L.).

1. Find the tabulated TOTAL HEIGHT nearest the one you have estimated.
2. Find the row having DBHOB nearest the DBHOB you have measured.
3. Read off volume to T.D.L. 15 centimetres.

To calculate volume underbark of the stump, follow procedure for volume to T.D.L. Use column headed 10 - 30cm to read off stump volume.

EXAMPLE

1. Volume of a section

Estimated TOTAL HEIGHT (THT) = 20.0 metres

Estimated HEIGHT to lower end of section = 7.0 metres

Measured DBHOB = 71 centimetres

Volume underbark to 7 metres = 1.74 cubic metres

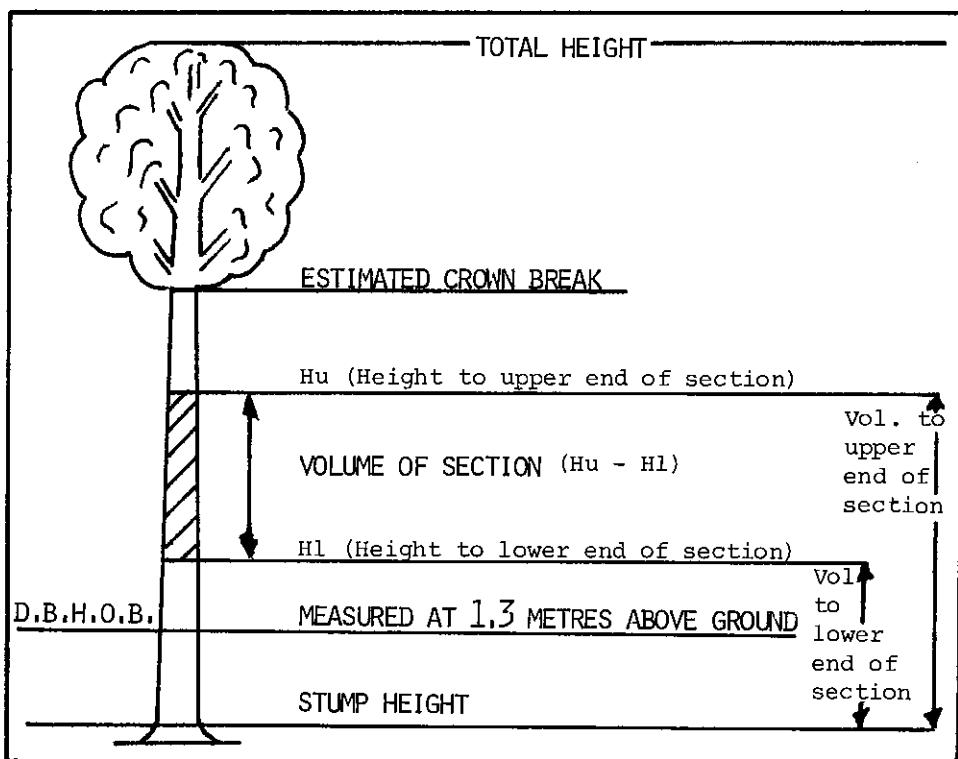
Estimated HEIGHT to upper end of section = 13.0 metres

Volume underbark to 13 metres = 2.55 cubic metres

Volume of section = $H_u - H_l = 2.55 - 1.74 = 0.81$ cubic metres

2. Volume to T.D.L. 15 centimetres underbark = 2.70 cubic metres

3. Volume of STUMP (10 - 30 centimetres) = 0.08 cubic metres





TOTAL HEIGHT = 10 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 5 TO 80CM CROWN BREAK IS ESTIMATED TO BE 7 METRES.

D.B.H T.D.L STUMP

O.B. 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 6 7 8 9 O.B. 15 10-30

(CM) CM CM CM

HEIGTH ABOVE GROUND IN METRES

D.B.H O.B. 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 6 7 8 9 O.B. 15 10-30

(CM) CM CM CM

TOTAL HEIGHT = 11 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 5 TO 80CM CROWN BREAK IS ESTIMATED TO BE 7 METRES.

***** HEIGHT ABOVE GROUND IN METRES *****

D.B.H (CM)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	O.B. (CH)	T.D.L CM	STUMP CM
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5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
8	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
9	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
10	.00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.01
11	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.01
12	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.00
13	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.00
14	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.05	.05	.05	.00
15	.01	.01	.02	.02	.03	.03	.04	.04	.04	.05	.05	.05	.05	.05	.05	.00
16	.01	.02	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.06	.06	.06	.00
17	.01	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.07	.07	.07	.07	.00
18	.01	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.08	.08	.08	.08	.00
19	.02	.03	.03	.04	.05	.06	.06	.07	.07	.08	.09	.09	.09	.09	.09	.03
20	.02	.03	.04	.05	.06	.06	.07	.08	.08	.09	.10	.10	.10	.10	.10	.04
21	.02	.03	.04	.05	.06	.07	.08	.08	.09	.09	.10	.11	.11	.12	.12	.05
22	.02	.04	.05	.06	.07	.08	.09	.09	.10	.11	.12	.13	.13	.13	.13	.06
23	.03	.04	.05	.06	.08	.09	.09	.10	.11	.12	.13	.13	.14	.14	.14	.07
24	.03	.04	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.15	.16	.16	.08
25	.03	.05	.06	.08	.09	.10	.11	.12	.13	.15	.16	.17	.17	.17	.17	.09
26	.03	.05	.07	.09	.10	.11	.12	.14	.15	.16	.18	.18	.19	.20	.20	.10
27	.04	.06	.08	.09	.11	.12	.14	.15	.16	.18	.19	.20	.21	.21	.21	.11
28	.04	.06	.08	.10	.12	.13	.15	.16	.17	.19	.21	.22	.22	.22	.22	.12
29	.04	.07	.09	.11	.13	.14	.16	.17	.18	.21	.22	.23	.24	.24	.24	.13
30	.05	.07	.11	.12	.14	.15	.17	.19	.20	.22	.24	.25	.26	.26	.26	.14
31	.05	.08	.10	.13	.15	.16	.18	.20	.21	.24	.26	.27	.28	.28	.28	.15
32	.05	.08	.11	.13	.16	.18	.20	.21	.23	.26	.28	.29	.30	.32	.32	.16
33	.06	.09	.12	.14	.17	.19	.21	.23	.24	.27	.30	.31	.32	.33	.33	.17
34	.06	.09	.13	.15	.18	.20	.22	.24	.26	.29	.32	.33	.34	.34	.34	.18
35	.06	.10	.13	.16	.19	.21	.24	.26	.28	.31	.34	.35	.36	.35	.34	.19
36	.07	.11	.15	.17	.20	.23	.25	.27	.30	.33	.36	.37	.38	.36	.37	.20
37	.07	.11	.15	.18	.21	.24	.27	.29	.31	.35	.38	.40	.41	.37	.39	.21
38	.08	.12	.16	.19	.23	.26	.28	.31	.33	.37	.40	.42	.43	.38	.41	.22
39	.08	.13	.17	.21	.24	.27	.30	.33	.35	.39	.42	.44	.45	.39	.44	.23
40	.08	.13	.18	.22	.25	.29	.32	.34	.37	.41	.45	.47	.48	.40	.47	.24
41	.09	.14	.19	.23	.27	.30	.33	.36	.39	.41	.47	.49	.51	.41	.49	.25
42	.09	.15	.20	.28	.32	.35	.38	.41	.46	.50	.52	.53	.53	.42	.52	.26
43	.10	.16	.21	.25	.29	.33	.37	.40	.43	.48	.52	.55	.56	.43	.55	.27
44	.10	.16	.22	.27	.31	.35	.39	.42	.45	.51	.55	.57	.58	.58	.58	.28
45	.11	.17	.23	.28	.32	.37	.41	.44	.47	.53	.57	.60	.62	.65	.61	.49
46	.11	.18	.24	.29	.34	.38	.42	.46	.50	.56	.60	.63	.64	.66	.64	.50
47	.12	.19	.25	.30	.36	.40	.44	.48	.52	.58	.63	.66	.67	.67	.67	.51
48	.12	.20	.26	.32	.37	.42	.46	.51	.54	.61	.66	.69	.71	.71	.70	.52
49	.13	.21	.27	.33	.39	.44	.49	.53	.57	.64	.69	.72	.74	.74	.73	.53
50	.13	.21	.28	.35	.40	.46	.51	.55	.59	.66	.72	.75	.77	.76	.76	.54
51	.14	.22	.30	.36	.42	.48	.53	.57	.62	.69	.75	.78	.80	.81	.79	.55
52	.15	.23	.31	.38	.44	.50	.55	.60	.64	.72	.78	.82	.83	.82	.83	.56
53	.15	.24	.32	.39	.46	.52	.57	.62	.67	.75	.81	.85	.87	.85	.86	.57
54	.16	.25	.33	.41	.48	.53	.58	.65	.70	.78	.84	.88	.90	.94	.90	.58
55	.16	.26	.35	.42	.49	.56	.62	.67	.72	.81	.87	.92	.94	.95	.93	.59
56	.17	.27	.36	.44	.51	.58	.64	.70	.75	.84	.91	.95	.97	.96	.97	.60
57	.18	.28	.37	.46	.53	.60	.67	.73	.78	.87	.94	.99	.101	.97	.101	.61
58	.18	.29	.39	.47	.55	.62	.69	.75	.81	.90	.98	.102	.105	.98	.105	.62
59	.19	.30	.40	.49	.57	.65	.72	.78	.84	.94	.101	.106	.109	.99	.108	.63
60	.20	.31	.42	.51	.59	.67	.74	.81	.87	.97	.105	.110	.113	.103	.112	.64
61	.20	.32	.43	.53	.61	.69	.77	.84	.90	.101	.109	.114	.116	.101	.116	.65
62	.21	.34	.45	.54	.63	.72	.79	.86	.93	.104	.112	.118	.121	.112	.120	.67
63	.22	.35	.46	.56	.66	.74	.82	.89	.96	.107	.116	.122	.125	.113	.125	.68
64	.23	.36	.48	.58	.68	.77	.85	.92	.99	.111	.120	.126	.129	.114	.129	.69
65	.23	.37	.49	.60	.70	.79	.88	.95	.102	.115	.124	.130	.133	.115	.133	.70
66	.24	.38	.51	.62	.72	.82	.90	.98	.106	.118	.128	.134	.137	.116	.137	.71
67	.25	.39	.52	.64	.75	.84	.93	.102	.109	.122	.132	.138	.142	.127	.142	.72
68	.26	.41	.54	.66	.77	.87	.96	.105	.113	.126	.136	.143	.146	.138	.146	.73
69	.26	.42	.56	.68	.79	.90	.99	.108	.116	.130	.140	.147	.151	.140	.151	.74
70	.27	.43	.57	.70	.82	.92	.102	.111	.120	.134	.144	.151	.155	.141	.155	.75
71	.28	.45	.59	.72	.84	.95	.105	.115	.123	.138	.149	.156	.160	.141	.160	.76
72	.29	.46	.61	.75	.87	.98	.108	.118	.127	.142	.153	.161	.164	.142	.165	.77
73	.30	.47	.63	.76	.89	.101	.111	.121	.130	.146	.158	.165	.169	.143	.170	.78
74	.30	.49	.64	.79	.92	.104	.115	.125	.134	.150	.162	.170	.174	.154	.175	.79
75	.31	.50	.66	.81	.94	.106	.118	.128	.138	.154	.167	.175	.179	.155	.181	.80
76	.32	.51	.68	.83	.97	.109	.121	.132	.142	.159	.171	.180	.184	.160	.185	.81
77	.33	.53	.70	.85	.99	.112	.124	.135	.146	.163	.176	.184	.189	.162	.190	.82
78	.34	.54	.72	.88	.102	.115	.128	.139	.149	.167	.181	.189	.194	.163	.195	.83
79	.35	.56	.74	.90	.105	.118	.131	.143	.153	.172	.186	.194	.199	.164	.200	.84
80	.36	.57	.76	.92	1.08	1.22	1.35	1.47	1.58	1.76	1.90	2.00	2.04	1.69	2.05	.85

D.B.H (CM)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	O.B. (CH)	T.D.L CM	STUMP CM
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***** HEIGHT ABOVE GROUND IN METRES *****

TOTAL HEIGHT = 12 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 5 TO 80CM CROWN BREAK IS ESTIMATED TO BE 8 METRES.

HEIGHT ABOVE GROUND IN METRES

D.B.H O.B. (CM)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	O.B. (CM)	T.D.L CH	STUMP CH
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TOTAL HEIGHT = 13 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOR FROM 5 TO 80CM

CROWN BREAK IS ESTIMATED TO BE 9 METRES.

HEIGHT ABOVE GROUND IN METRES

D.B.H T.D.L STUMP
O.B. 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 6 7 8 9 10 11 O.B. 15 10-30
(CM) CM CM

5 .00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6 .00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00
7 .00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
8 .00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
9 .00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.00
10 .00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.00
11 .00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.00
12 .01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.00
13 .01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.00
14 .01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.05	.05	.05	.06	.06	.06	.06	.06	.00
15 .01	.01	.02	.02	.03	.03	.04	.04	.05	.05	.05	.05	.06	.06	.06	.06	.06	.06	.06	.06	.06	.00
16 .01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.06	.06	.06	.06	.06	.07	.07	.07	.07	.07	.00
17 .01	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.06	.06	.06	.06	.06	.07	.07	.07	.07	.07	.00
18 .01	.02	.03	.04	.04	.05	.05	.06	.06	.07	.07	.07	.08	.08	.08	.09	.09	.09	.09	.10	.10	.00
19 .02	.03	.03	.04	.05	.06	.06	.07	.07	.08	.08	.09	.10	.10	.10	.11	.11	.11	.11	.11	.11	.00
20 .02	.03	.04	.05	.06	.06	.07	.08	.08	.09	.09	.10	.11	.12	.12	.12	.12	.12	.12	.12	.12	.00
21 .02	.03	.04	.05	.06	.07	.08	.09	.10	.10	.10	.11	.12	.13	.13	.13	.13	.13	.13	.13	.13	.00
22 .02	.04	.05	.06	.07	.08	.09	.10	.10	.10	.10	.11	.12	.13	.13	.13	.14	.14	.14	.14	.14	.00
23 .02	.04	.05	.06	.07	.08	.09	.10	.11	.11	.11	.12	.13	.14	.14	.14	.15	.15	.15	.15	.15	.00
24 .03	.04	.05	.06	.07	.08	.09	.11	.12	.12	.12	.14	.16	.17	.17	.18	.18	.18	.18	.18	.18	.00
25 .03	.05	.06	.08	.09	.10	.12	.13	.14	.14	.16	.17	.18	.19	.19	.20	.20	.20	.20	.20	.20	.00
26 .03	.05	.07	.08	.10	.11	.13	.15	.15	.17	.17	.19	.20	.21	.21	.21	.22	.22	.22	.22	.22	.00
27 .03	.06	.07	.09	.11	.12	.14	.15	.16	.16	.18	.20	.22	.23	.23	.23	.24	.24	.24	.24	.24	.00
28 .04	.06	.08	.10	.12	.13	.15	.16	.18	.20	.22	.23	.25	.25	.25	.25	.26	.26	.26	.26	.26	.00
29 .04	.07	.09	.11	.13	.14	.16	.18	.19	.20	.22	.24	.24	.24	.24	.24	.25	.25	.25	.25	.25	.00
30 .04	.07	.09	.12	.14	.15	.17	.19	.20	.23	.25	.25	.25	.25	.25	.25	.26	.26	.26	.26	.26	.00
31 .05	.08	.10	.12	.15	.16	.19	.20	.22	.23	.25	.27	.29	.31	.32	.32	.32	.32	.32	.32	.32	.32
32 .05	.08	.11	.13	.16	.16	.20	.22	.23	.25	.27	.29	.31	.33	.34	.34	.34	.34	.34	.34	.34	.34
33 .05	.09	.12	.15	.17	.19	.21	.23	.25	.28	.31	.31	.34	.35	.36	.36	.37	.37	.37	.37	.37	.02
34 .06	.09	.12	.15	.18	.20	.23	.25	.27	.30	.33	.33	.36	.38	.39	.39	.39	.39	.39	.39	.39	.02
35 .06	.10	.13	.16	.19	.22	.24	.26	.28	.32	.32	.36	.36	.38	.40	.41	.42	.42	.42	.42	.42	.02
36 .06	.10	.14	.19	.21	.23	.26	.28	.30	.33	.33	.38	.40	.42	.44	.44	.44	.44	.44	.44	.44	.02
37 .07	.11	.15	.18	.21	.24	.27	.30	.32	.36	.36	.40	.43	.45	.46	.47	.47	.47	.47	.47	.47	.02
38 .07	.12	.16	.19	.23	.26	.29	.31	.34	.35	.42	.42	.45	.48	.49	.50	.50	.50	.50	.50	.50	.02
39 .08	.12	.17	.20	.24	.27	.30	.33	.36	.41	.45	.48	.50	.52	.52	.52	.52	.52	.52	.52	.52	.02
40 .08	.13	.18	.21	.25	.29	.32	.35	.38	.43	.47	.51	.53	.55	.55	.55	.55	.55	.55	.55	.55	.02
41 .09	.15	.18	.23	.27	.30	.34	.37	.40	.45	.50	.53	.56	.58	.58	.58	.58	.58	.58	.58	.58	.02
42 .09	.14	.19	.24	.28	.32	.36	.39	.42	.46	.52	.56	.59	.61	.61	.61	.61	.61	.61	.61	.61	.02
43 .09	.15	.20	.25	.29	.34	.37	.41	.44	.50	.55	.59	.62	.64	.65	.65	.65	.65	.65	.65	.65	.02
44 .10	.16	.21	.26	.31	.35	.39	.43	.46	.53	.58	.62	.65	.67	.68	.68	.68	.68	.68	.68	.68	.02
45 .10	.17	.22	.28	.32	.37	.41	.45	.49	.55	.61	.65	.68	.70	.71	.71	.71	.71	.71	.71	.71	.02
46 .11	.18	.24	.29	.34	.39	.43	.47	.51	.58	.64	.68	.71	.73	.74	.74	.74	.74	.74	.74	.74	.02
47 .11	.18	.25	.30	.36	.40	.45	.50	.55	.61	.67	.71	.75	.77	.77	.77	.77	.77	.77	.77	.77	.02
48 .12	.19	.26	.32	.37	.42	.47	.52	.56	.63	.70	.75	.78	.80	.81	.81	.81	.81	.81	.81	.81	.02
49 .12	.20	.27	.33	.39	.44	.49	.54	.58	.65	.73	.78	.82	.84	.85	.85	.85	.85	.85	.85	.85	.02
50 .13	.21	.28	.35	.41	.46	.51	.56	.61	.68	.76	.81	.85	.88	.88	.88	.88	.88	.88	.88	.88	.02
51 .14	.22	.29	.36	.42	.48	.54	.59	.63	.72	.79	.85	.89	.91	.93	.93	.93	.93	.93	.93	.93	.02
52 .14	.23	.30	.38	.44	.50	.56	.61	.66	.73	.82	.88	.92	.95	.96	.96	.96	.96	.96	.96	.96	.02
53 .15	.23	.32	.39	.46	.52	.58	.64	.69	.76	.86	.92	.96	.99	.99	.99	.99	.99	.99	.99	.99	.02
54 .15	.25	.33	.41	.48	.54	.60	.66	.71	.81	.89	.95	1.00	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	.02
55 .16	.26	.34	.42	.50	.56	.63	.69	.74	.84	.93	.99	1.04	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	.02
56 .16	.27	.36	.44	.51	.58	.65	.71	.77	.87	.96	1.03	1.09	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	.02
57 .17	.28	.37	.45	.53	.61	.68	.74	.80	.91	1.00	1.07	1.12	1.15	1.17	1.17	1.17	1.17	1.17	1.17	1.17	.02
58 .18	.29	.38	.47	.55	.63	.70	.77	.83	.94	1.04	1.11	1.16	1.20	1.21	1.21	1.21	1.21	1.21	1.21	1.21	.02
59 .18	.30	.40	.49	.57	.65	.73	.79	.86	.98	1.07	1.15	1.20	1.24	1.26	1.26	1.26	1.26	1.26	1.26	1.26	.02
60 .19	.21	.41	.51	.59	.68	.75	.82	.89	1.01	1.11	1.19	1.25	1.28	1.30	1.30	1.30	1.30	1.30	1.30	1.30	.02
61 .20	.32	.43	.52	.61	.70	.78	.85	.92	1.05	1.15	1.23	1.29	1.33	1.35	1.35	1.35	1.35	1.35	1.35	1.35	.02
62 .20	.33	.44	.53	.62	.72	.80	.88	.95	1.08	1.19	1.27	1.34	1.41	1.46	1.46	1.46	1.46	1.46	1.46	1.46	.02
63 .21	.34	.45	.56	.66	.75	.83	.91	.99	1.13	1.23	1.32	1.41	1.53	1.64	1.72	1.72	1.72	1.72	1.72	1.72	.02
64 .22	.35	.47	.58	.68	.77	.86	.96	.97	1.02	1.16	1.27	1.36	1.43	1.54	1.63	1.63	1.63	1.63	1.63	1.63	.02
65 .22	.36	.48	.59	.69	.79	.87	.97	.98	1.05	1.19	1.31	1.41	1.51	1.62	1.73	1.73	1.73	1.73	1.73	1.73	.02
66 .23	.37	.50	.60	.70	.80	.89	.97	.98	1.06	1.20	1.35	1.45	1.52	1.62	1.73	1.73	1.73	1.73	1.73	1.73	.02
67 .24	.39	.52	.63	.75	.85	.95	1.04	1.12	1.27	1.40	1.50	1.61	1.71	1.81	1.87	1.87	1.87	1.87	1.87	1.87	.02
68 .25	.40	.53	.66	.77	.88	.98	1.07	1.15	1.31	1.44	1.56	1.62	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	.02
69 .25	.41	.55	.68	.79	.90	1.01	1.10	1.19	1.33	1.49	1.59	1.67	1.71	1.74	1.74	1.74	1.74	1.74	1.74	1.74	.02
70 .26	.42	.57	.70	.82	.93	1.04	1.13	1.23	1.39	1.53	1.64	1.72	1.77	1.79	1.79	1.79	1.79	1.79	1.79	1.79	.02
71 .27	.43	.58	.72	.84	.95	1.06	1.17	1.26	1.43	1.58	1.69	1.77	1.82	1.84	1.84	1.84	1.84	1.84	1.84	1.84	.02
72 .28	.45	.60	.74	.87	.99	1.10	1.20	1.30	1.48	1.62	1.73	1.82	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	.02
73 .29	.46	.62	.74	.89	1.02	1.13	1.23	1.34	1.52	1.67	1.79	1.87	1.93	1.95	1.95	1.95	1.95</				

TOTAL HEIGHT = 14 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 5 TO 80CM

CROWN BREAK IS ESTIMATED TO BE 9 METRES.

HEIGHT ABOVE GROUND IN METRES

D.B.H T.D.L STUMP

O.B. 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 6 7 8 9 10 11 O.B. 15 10-30
(CM) CM CM

5 .00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6 .00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00
7 .00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
8 .00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
9 .00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.00
10 .00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.00
11 .00	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.00
12 .01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.00
13 .01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.00
14 .01	.01	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05	.05	.06	.06	.00
15 .01	.01	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.05	.06	.06	.06	.07	.07	.07	.00
16 .01	.02	.02	.03	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.07	.07	.08	.08	.08	.00
17 .01	.02	.03	.03	.04	.04	.04	.05	.05	.06	.07	.07	.08	.08	.08	.09	.09	.09	.09	.00
18 .01	.02	.03	.04	.04	.05	.05	.06	.06	.07	.08	.08	.09	.09	.09	.10	.10	.10	.10	.00
19 .02	.03	.03	.04	.04	.05	.06	.06	.07	.07	.08	.09	.10	.11	.11	.11	.11	.11	.11	.00
20 .02	.03	.04	.05	.05	.06	.06	.07	.07	.08	.08	.09	.10	.11	.12	.12	.13	.13	.13	.00
21 .02	.03	.04	.05	.05	.06	.07	.08	.09	.09	.10	.12	.13	.13	.13	.14	.14	.14	.14	.00
22 .02	.04	.05	.06	.07	.08	.09	.10	.10	.12	.13	.14	.15	.15	.16	.16	.16	.16	.16	.00
23 .02	.04	.05	.06	.08	.09	.10	.11	.11	.13	.14	.16	.17	.17	.17	.17	.17	.17	.17	.00
24 .03	.04	.06	.07	.08	.10	.11	.12	.13	.14	.16	.17	.18	.19	.19	.19	.19	.19	.19	.00
25 .03	.05	.06	.08	.09	.10	.12	.13	.14	.16	.17	.19	.20	.21	.21	.21	.21	.21	.21	.00
26 .03	.05	.07	.08	.10	.11	.13	.15	.17	.19	.20	.22	.23	.23	.23	.23	.23	.23	.23	.00
27 .03	.06	.07	.09	.11	.12	.14	.15	.16	.19	.21	.22	.24	.24	.25	.25	.25	.25	.25	.00
28 .04	.06	.08	.10	.12	.13	.15	.16	.18	.20	.22	.24	.26	.26	.27	.27	.27	.27	.27	.00
29 .04	.06	.09	.11	.13	.14	.16	.18	.19	.22	.24	.26	.28	.28	.29	.29	.29	.29	.29	.00
30 .04	.07	.09	.12	.14	.16	.17	.19	.21	.24	.26	.28	.30	.31	.31	.31	.31	.31	.31	.00
31 .05	.07	.10	.12	.15	.17	.19	.20	.22	.25	.28	.30	.32	.32	.34	.34	.34	.34	.34	.00
32 .05	.08	.11	.13	.16	.18	.20	.22	.24	.27	.30	.32	.34	.34	.36	.36	.36	.36	.36	.00
33 .05	.08	.12	.14	.17	.19	.21	.23	.25	.29	.32	.35	.36	.38	.38	.39	.39	.39	.39	.00
34 .06	.09	.12	.15	.18	.20	.23	.25	.27	.31	.34	.37	.39	.40	.41	.41	.41	.41	.41	.00
35 .06	.10	.13	.16	.19	.22	.24	.27	.29	.33	.36	.39	.41	.43	.43	.44	.44	.44	.44	.00
36 .06	.10	.14	.17	.20	.23	.26	.29	.31	.35	.39	.42	.44	.46	.47	.47	.47	.47	.47	.00
37 .07	.11	.15	.18	.21	.24	.27	.30	.32	.37	.41	.44	.47	.48	.49	.50	.50	.50	.50	.00
38 .07	.12	.16	.19	.23	.26	.29	.32	.34	.39	.43	.47	.49	.51	.52	.52	.52	.52	.52	.00
39 .08	.12	.17	.20	.24	.27	.31	.33	.36	.41	.46	.49	.52	.54	.55	.55	.55	.55	.55	.00
40 .08	.13	.17	.22	.25	.29	.32	.35	.38	.44	.48	.52	.55	.57	.58	.58	.58	.58	.58	.00
41 .08	.18	.18	.23	.27	.30	.34	.37	.40	.46	.51	.55	.58	.60	.62	.62	.62	.62	.62	.00
42 .09	.19	.19	.24	.28	.32	.36	.39	.42	.48	.54	.58	.61	.63	.65	.65	.65	.65	.65	.00
43 .09	.15	.20	.25	.30	.34	.38	.41	.45	.51	.56	.61	.64	.67	.68	.68	.68	.68	.68	.00
44 .10	.16	.21	.26	.31	.35	.39	.43	.47	.53	.59	.64	.67	.70	.72	.72	.72	.72	.72	.00
45 .10	.17	.22	.28	.33	.37	.41	.45	.49	.56	.62	.67	.71	.73	.75	.75	.75	.75	.75	.00
46 .11	.17	.23	.29	.34	.39	.43	.48	.52	.59	.65	.70	.74	.77	.79	.79	.79	.79	.79	.00
47 .11	.18	.25	.30	.36	.41	.45	.50	.54	.61	.68	.73	.78	.81	.82	.82	.82	.82	.82	.00
48 .12	.19	.26	.32	.37	.42	.47	.52	.56	.64	.71	.77	.81	.84	.86	.86	.86	.86	.86	.00
49 .12	.20	.27	.33	.39	.44	.49	.55	.59	.67	.74	.80	.85	.88	.90	.90	.90	.90	.90	.00
50 .13	.21	.28	.35	.41	.46	.52	.57	.61	.70	.77	.84	.88	.92	.94	.94	.94	.94	.94	.00
51 .13	.22	.29	.36	.42	.48	.54	.59	.64	.73	.81	.87	.92	.96	.98	.98	.98	.98	.98	.00
52 .14	.23	.30	.37	.44	.50	.56	.62	.67	.76	.84	.91	.96	1.00	1.02	1.02	1.02	1.02	1.02	.00
53 .14	.23	.32	.39	.46	.52	.58	.64	.69	.79	.88	.98	1.00	1.04	1.06	1.06	1.06	1.06	1.06	.00
54 .15	.25	.33	.41	.48	.54	.61	.67	.72	.82	.91	.98	1.04	1.08	1.10	1.10	1.10	1.10	1.10	.00
55 .16	.25	.34	.42	.50	.57	.63	.69	.75	.86	.95	1.02	1.08	1.12	1.14	1.14	1.14	1.14	1.14	.00
56 .16	.26	.35	.44	.52	.59	.65	.72	.78	.89	.98	1.05	1.12	1.18	1.19	1.19	1.19	1.19	1.19	.00
57 .17	.27	.37	.45	.53	.61	.68	.75	.81	.92	1.02	1.10	1.16	1.21	1.23	1.23	1.23	1.23	1.23	.00
58 .17	.28	.38	.47	.55	.63	.70	.77	.84	.96	1.06	1.14	1.21	1.21	1.23	1.23	1.23	1.23	1.23	.00
59 .18	.29	.39	.49	.57	.65	.73	.80	.87	.99	1.10	1.18	1.25	1.30	1.33	1.33	1.33	1.33	1.33	.00
60 .19	.30	.41	.51	.59	.68	.76	.83	.90	1.03	1.13	1.22	1.29	1.34	1.34	1.34	1.34	1.34	1.34	.00
61 .19	.31	.42	.52	.62	.70	.78	.86	.93	1.05	1.17	1.27	1.34	1.39	1.42	1.42	1.42	1.42	1.42	.00
62 .20	.33	.44	.54	.64	.73	.81	.89	.96	1.10	1.21	1.31	1.39	1.44	1.47	1.47	1.47	1.47	1.47	.00
63 .21	.35	.45	.56	.66	.75	.84	.92	.99	1.14	1.26	1.36	1.43	1.49	1.52	1.53	1.53	1.53	1.53	.00
64 .21	.35	.47	.58	.68	.78	.87	.95	1.03	1.17	1.30	1.40	1.48	1.54	1.57	1.57	1.57	1.57	1.57	.00
65 .22	.36	.48	.60	.70	.80	.89	.98	1.06	1.21	1.34	1.45	1.53	1.59	1.62	1.65	1.63	1.63	1.63	.00
66 .23	.37	.50	.62	.73	.83	.92	1.01	1.10	1.25	1.38	1.49	1.58	1.64	1.67	1.69	1.69	1.69	1.69	.00
67 .24	.38	.51	.63	.75	.85	.95	1.04	1.13	1.29	1.43	1.51	1.63	1.69	1.73	1.77	1.77	1.77	1.77	.00
68 .24	.39	.53	.66	.77	.88	.98	1.08	1.17	1.33	1.47	1.59	1.68	1.74	1.78	1.82	1.82	1.82	1.82	.00
69 .25	.41	.55	.68	.80	.91	1.01	1.11	1.20	1.37	1.52	1.64	1.73	1.80	1.84	1.89	1.89	1.89	1.89	.00
70 .26	.42	.56	.70	.82	.93	1.04	1.14	1.24	1.41	1.56	1.69	1.78	1.85	1.90	1.95	1.95	1.95	1.95	.00
71 .27	.43	.58	.72	.84	.96	1.07	1.18	1.28	1.46	1.61	1.74	1.84	1.91	1.95	1.97	1.97	1.97	1.97	.00
72 .27	.46	.60	.74	.87	.99	1.10	1.21	1.31	1.50	1.66	1.79	1.89	1.96	2.01	2.02	2.02	2.02	2.02	.00
73 .28	.46	.61	.76	.89	1.02	1.14	1.25	1.35	1.54	1.70	1.84	1.94	2.02	2.06	2.06	2.06	2.06	2.06	.00
74 .29	.47	.63	.78	.92	1.05	1.17	1.28	1.39	1.59	1.75	1.89	2.00	2.08	2.12	2.14	2.14	2.14	2.14	.00
75 .30	.48	.65	.80	.95	1.08	1.20	1.32	1.43	1.63	1.80	1.95	2.06	2.13	2.18	2.25	2.25	2.25	2.25	.00
76 .31	.50	.67	.83	.97	1.11	1.24	1.36	1.47	1.67	1.85	2.00	2.11	2.19	2.24	2.26	2.26	2.26	2.26	.00
77 .31	.51	.69	.85	1.00	1.14	1.27	1.39	1.51	1.72	1.90	2.05	2.17	2.25	2.30	2.37	2.37	2.37	2.37	.00
78 .32	.52	.70	.87	1.02	1.17	1.30	1.43	1.55	1.77	1.96	2.11	2.23	2.31	2.37	2.40	2.40	2.40	2.40	.00
79 .33	.54	.72	.89	1.05	1.20	1.34	1.47	1.59											

TOTAL HEIGHT = 15 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 5 TO 80CH

CROWN BREAK IS ESTIMATED TO BE 10 METRES.

D.B.H (CM)	HEIGHT ABOVE GROUND IN METRES											D.B.H T.D.L STUMP (CM) CM CM				
	0.1	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7		8	9	10	11
5 .00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5 .00
6 .00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	6 .00
7 .00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	7 .00
8 .00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	8 .00
9 .00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	9 .00
10 .00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	10 .00
11 .00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.03	11 .00
12 .01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04	12 .00
13 .01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.04	.05	.05	13 .00
14 .01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.05	.06	.06	14 .00
15 .01	.01	.02	.02	.03	.03	.04	.04	.04	.05	.06	.06	.06	.07	.07	.07	15 .00
16 .01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.08	16 .00
17 .01	.02	.03	.03	.04	.04	.05	.05	.06	.07	.07	.08	.09	.09	.09	.09	17 .00
18 .01	.02	.03	.04	.04	.05	.06	.06	.07	.08	.08	.09	.10	.10	.11	.11	18 .00
19 .02	.02	.03	.04	.05	.06	.06	.07	.08	.08	.09	.10	.10	.11	.12	.12	19 .00
20 .02	.03	.04	.05	.06	.06	.07	.08	.08	.09	.11	.12	.12	.13	.13	.14	20 .01
21 .02	.03	.04	.05	.06	.07	.08	.09	.09	.10	.12	.13	.14	.15	.15	.16	21 .01
22 .02	.03	.05	.06	.07	.08	.09	.10	.10	.12	.13	.14	.15	.16	.17	.17	22 .01
23 .02	.04	.05	.06	.08	.09	.10	.11	.12	.13	.15	.16	.17	.18	.19	.19	23 .01
24 .03	.06	.07	.08	.09	.10	.11	.12	.13	.15	.16	.18	.19	.20	.20	.20	24 .01
25 .03	.05	.06	.08	.09	.10	.12	.13	.14	.16	.18	.19	.21	.21	.22	.22	25 .01
26 .03	.05	.07	.08	.10	.11	.13	.14	.15	.17	.19	.21	.22	.23	.24	.25	26 .01
27 .03	.05	.07	.09	.11	.12	.14	.15	.17	.19	.21	.23	.24	.25	.26	.27	27 .01
28 .04	.06	.08	.10	.12	.13	.15	.16	.18	.20	.23	.25	.26	.28	.29	.29	28 .01
29 .04	.06	.09	.11	.13	.14	.16	.18	.19	.22	.25	.27	.28	.30	.31	.31	29 .01
30 .04	.07	.09	.12	.14	.16	.17	.19	.21	.24	.26	.29	.31	.33	.34	.34	30 .01
31 .05	.07	.10	.12	.15	.17	.19	.21	.22	.26	.28	.30	.33	.35	.36	.36	31 .01
32 .05	.08	.11	.13	.16	.18	.20	.22	.24	.27	.30	.33	.35	.37	.38	.38	32 .02
33 .05	.08	.11	.14	.17	.19	.21	.24	.26	.29	.33	.35	.38	.39	.41	.41	33 .02
34 .06	.09	.12	.15	.18	.20	.23	.25	.27	.31	.35	.38	.40	.42	.43	.43	34 .02
35 .06	.10	.13	.16	.19	.22	.24	.27	.29	.33	.37	.40	.43	.45	.46	.47	35 .02
36 .06	.10	.14	.17	.20	.23	.26	.28	.31	.35	.39	.43	.45	.47	.49	.50	36 .02
37 .07	.11	.15	.18	.21	.25	.27	.30	.33	.37	.42	.44	.48	.48	.50	.52	37 .02
38 .07	.12	.16	.19	.23	.26	.29	.32	.35	.40	.44	.47	.51	.51	.55	.56	38 .02
39 .07	.12	.16	.20	.24	.27	.31	.34	.37	.42	.47	.51	.54	.56	.58	.59	39 .02
40 .08	.13	.17	.22	.25	.29	.32	.36	.39	.44	.49	.53	.57	.59	.61	.62	40 .03
41 .08	.14	.18	.23	.27	.31	.34	.38	.41	.47	.52	.56	.60	.63	.65	.66	41 .03
42 .09	.14	.19	.24	.28	.32	.36	.40	.43	.48	.52	.57	.60	.63	.66	.68	42 .03
43 .09	.15	.20	.25	.30	.34	.38	.42	.45	.52	.57	.62	.66	.69	.71	.73	43 .03
44 .10	.16	.21	.26	.31	.35	.40	.44	.47	.54	.60	.65	.70	.73	.75	.76	44 .03
45 .10	.16	.22	.28	.33	.37	.42	.46	.50	.57	.63	.69	.73	.76	.79	.80	45 .03
46 .11	.17	.23	.29	.34	.39	.44	.48	.52	.59	.66	.72	.76	.80	.82	.84	46 .03
47 .11	.18	.24	.30	.36	.41	.46	.50	.54	.62	.69	.75	.80	.84	.86	.88	47 .04
48 .12	.19	.26	.32	.37	.43	.48	.52	.57	.65	.72	.79	.84	.87	.90	.92	48 .04
49 .12	.20	.27	.33	.39	.45	.50	.55	.59	.68	.76	.82	.87	.91	.94	.96	49 .04
50 .13	.21	.28	.34	.41	.46	.52	.57	.62	.70	.79	.86	.91	.95	.98	.100	50 .04
51 .13	.21	.29	.36	.42	.48	.54	.60	.65	.74	.82	.89	.95	.99	.102	.104	51 .04
52 .14	.22	.30	.37	.44	.50	.56	.62	.67	.77	.86	.93	.99	.103	.107	.108	52 .04
53 .14	.23	.31	.39	.46	.53	.59	.65	.70	.80	.89	.95	.101	.108	.111	.113	53 .05
54 .15	.23	.31	.41	.48	.55	.61	.67	.73	.83	.93	.103	.108	.115	.117	.117	54 .05
55 .15	.25	.34	.42	.50	.57	.63	.70	.76	.87	.96	.105	.111	.116	.120	.122	55 .05
56 .16	.25	.35	.44	.52	.59	.66	.72	.79	.90	1.00	.109	.118	.121	.127	.128	56 .05
57 .17	.27	.37	.49	.54	.61	.68	.75	.82	.93	1.04	.131	.140	.145	.152	.159	57 .05
58 .17	.28	.38	.47	.56	.63	.71	.78	.85	.97	1.08	.137	.149	.154	.160	.167	58 .05
59 .18	.29	.39	.49	.58	.66	.73	.81	.88	.99	1.11	.140	.151	.155	.161	.167	59 .05
60 .19	.30	.41	.53	.60	.68	.76	.84	.91	.104	1.15	.145	.153	.160	.166	.170	60 .06
61 .19	.31	.42	.52	.62	.70	.79	.87	.94	.108	1.20	.150	.158	.164	.171	.175	61 .06
62 .20	.32	.44	.54	.64	.73	.81	.90	.97	.111	1.24	.154	.163	.170	.177	.181	62 .06
63 .20	.33	.45	.56	.66	.75	.84	.93	.100	.115	1.28	.159	.168	.175	.182	.187	63 .06
64 .21	.34	.47	.58	.68	.78	.87	.96	.104	.119	1.32	.163	.173	.180	.187	.192	64 .06
65 .22	.36	.48	.60	.70	.80	.90	.99	.107	.123	1.36	.174	.182	.188	.195	.202	65 .07
66 .23	.37	.50	.62	.73	.83	.93	.102	.111	.127	1.41	.181	.193	.200	.207	.214	66 .07
67 .23	.38	.51	.64	.75	.86	.96	.105	.114	.131	1.45	.185	.198	.206	.213	.220	67 .07
68 .24	.39	.53	.66	.77	.88	.99	.108	.118	.135	1.50	.183	.197	.204	.211	.218	68 .07
69 .25	.40	.54	.68	.80	.91	.102	.112	.121	.139	1.54	.188	.198	.207	.217	.226	69 .07
70 .25	.42	.56	.70	.82	.94	.105	.115	.125	.143	1.59	.193	.203	.213	.223	.233	70 .08
71 .26	.43	.58	.72	.85	.97	.108	.119	.129	.147	1.64	.198	.208	.218	.228	.238	71 .08
72 .27	.44	.60	.74	.87	.99	.111	.122	.133	.152	1.69	.203	.213	.223	.234	.244	72 .08
73 .28	.45	.61	.76	.90	.102	.114	.126	.136	.156	1.74	.208	.218	.228	.238	.248	73 .09
74 .29	.47	.63	.78	.92	.105	.118	.129	.140	.161	1.78	.213	.223	.233	.243	.253	74 .09
75 .29	.48	.65	.80	.95	.108	.121	.133	.144	.165	1.83	.219	.229	.239	.249	.259	75 .09
76 .30	.49	.67	.82	.97	.111	.124	.137	.148	.170	1.89	.225	.235	.245	.255	.265	76 .10
77 .31	.51	.68	.85	.100	.113	.128	.140	.152	.174	1.94	.230	.240	.250	.260	.270	77 .10
78 .32	.52	.70	.87	.103	.117	.131	.144	.156	.179	1.99	.236	.246	.256	.266	.276	78 .10
79 .33	.53	.72	.89	.105	.120	.135	.148	.161	.184	2.04	.242	.252	.262	.272	.282	79 .10
80 .34	.55	.74	.92	.108	.124	.138	.152	.165	.189	2.10	.248	.258	.268	.278	.288	80 .11

***** D.B.H T.D.L STUMP *****

***** D.B.H T.D.L 15 10-30 *****

***** (CM) CM CM *****

TOTAL HEIGHT = 16 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHCS FROM 5 TO 80CM CROWN BREAK IS ESTIMATED TO BE 11 METRES.

HEIGHT ABOVE GROUND IN METRES														D.B.H T.D.L STUMP							
D.B.H	O.B. (CM)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	11	12	13	O.B. (CM)	T.D.L (CM)	STUMP (CM)
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
7	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
8	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00
9	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.00
10	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.00
11	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.00
12	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.00
13	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05	.05	.05	.00
14	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.06	.06	.06	.06	.06	.06	.06	.00
15	.01	.01	.02	.02	.03	.03	.03	.04	.04	.04	.05	.06	.06	.07	.07	.07	.07	.07	.07	.07	.00
16	.01	.02	.02	.03	.03	.03	.04	.04	.05	.05	.06	.07	.07	.08	.08	.08	.09	.09	.09	.09	.00
17	.01	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.08	.08	.09	.09	.10	.10	.10	.10	.10	.00
18	.01	.02	.03	.04	.04	.05	.06	.06	.07	.07	.08	.09	.09	.10	.11	.11	.11	.11	.11	.11	.00
19	.02	.02	.03	.04	.05	.06	.06	.07	.08	.09	.09	.10	.11	.12	.12	.13	.13	.13	.13	.13	.00
20	.02	.03	.04	.05	.06	.06	.07	.08	.09	.10	.11	.12	.13	.13	.14	.14	.14	.14	.14	.14	.00
21	.02	.03	.04	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.16	.16	.16	.16	.16	.16	.00
22	.02	.03	.04	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.16	.17	.17	.17	.17	.17	.00
23	.02	.04	.05	.06	.08	.09	.10	.11	.12	.13	.15	.16	.17	.18	.19	.20	.20	.20	.20	.20	.00
24	.03	.04	.05	.06	.08	.09	.10	.11	.12	.13	.15	.16	.17	.18	.19	.20	.21	.21	.21	.21	.00
25	.03	.05	.06	.08	.09	.10	.12	.13	.14	.16	.18	.19	.20	.21	.22	.23	.24	.24	.25	.25	.00
26	.03	.05	.07	.08	.10	.11	.13	.14	.15	.18	.19	.20	.21	.23	.24	.25	.26	.26	.26	.26	.00
27	.03	.05	.07	.08	.11	.12	.14	.15	.17	.19	.21	.21	.23	.25	.26	.27	.28	.28	.28	.28	.00
28	.04	.06	.08	.10	.12	.13	.15	.17	.18	.21	.23	.23	.25	.27	.28	.29	.30	.31	.31	.31	.00
29	.04	.06	.09	.11	.13	.15	.16	.18	.19	.22	.25	.27	.29	.31	.33	.33	.33	.33	.33	.33	.00
30	.04	.07	.09	.12	.14	.16	.18	.19	.21	.24	.27	.29	.31	.33	.34	.35	.36	.36	.36	.36	.00
31	.05	.07	.10	.12	.15	.17	.19	.21	.23	.26	.29	.31	.34	.35	.37	.38	.38	.38	.38	.38	.00
32	.05	.08	.11	.13	.16	.18	.20	.22	.24	.26	.29	.31	.34	.36	.38	.40	.41	.41	.41	.41	.00
33	.05	.08	.11	.14	.17	.19	.22	.24	.26	.28	.30	.33	.36	.39	.41	.42	.43	.43	.43	.43	.00
34	.06	.09	.12	.15	.18	.21	.23	.25	.28	.31	.34	.37	.40	.43	.45	.46	.47	.47	.47	.47	.00
35	.06	.10	.13	.16	.19	.22	.24	.27	.29	.34	.38	.41	.44	.46	.48	.49	.50	.50	.50	.50	.00
36	.06	.10	.14	.17	.20	.23	.26	.29	.31	.36	.40	.43	.47	.49	.51	.52	.53	.53	.53	.53	.00
37	.07	.11	.15	.18	.22	.26	.28	.30	.33	.38	.42	.46	.49	.52	.54	.56	.57	.57	.57	.57	.00
38	.07	.11	.16	.19	.23	.26	.29	.32	.35	.40	.45	.49	.52	.55	.58	.60	.62	.63	.63	.63	.00
39	.07	.12	.16	.20	.24	.28	.31	.34	.37	.42	.47	.52	.55	.58	.60	.62	.63	.63	.63	.63	.00
40	.08	.13	.17	.21	.25	.29	.33	.36	.39	.45	.50	.55	.60	.65	.66	.66	.66	.66	.66	.66	.00
41	.08	.13	.18	.23	.27	.31	.34	.38	.41	.47	.53	.57	.61	.65	.67	.69	.70	.70	.70	.70	.00
42	.09	.14	.19	.24	.28	.32	.36	.40	.43	.50	.55	.60	.65	.68	.71	.72	.73	.73	.73	.73	.00
43	.09	.15	.20	.25	.30	.34	.38	.42	.45	.52	.58	.63	.68	.72	.74	.76	.77	.77	.77	.77	.00
44	.10	.16	.21	.26	.31	.36	.40	.44	.48	.55	.61	.67	.71	.75	.78	.80	.81	.81	.81	.81	.00
45	.10	.16	.22	.28	.33	.37	.42	.46	.50	.57	.64	.70	.75	.79	.82	.84	.85	.85	.85	.85	.00
46	.10	.17	.23	.29	.34	.39	.44	.48	.52	.60	.67	.73	.78	.82	.86	.88	.89	.89	.89	.89	.00
47	.11	.18	.24	.30	.36	.43	.46	.50	.55	.63	.70	.77	.82	.86	.90	.92	.92	.92	.92	.92	.00
48	.11	.19	.25	.32	.37	.43	.48	.53	.57	.65	.73	.80	.86	.90	.94	.96	.97	.97	.97	.97	.00
49	.12	.20	.27	.33	.39	.45	.50	.55	.60	.68	.77	.84	.90	.94	.98	.100	.102	.102	.102	.102	.00
50	.12	.20	.28	.34	.41	.47	.52	.57	.62	.72	.80	.87	.93	.98	.102	.105	.106	.106	.106	.106	.00
51	.13	.21	.29	.36	.42	.49	.54	.59	.65	.75	.83	.91	.97	.103	.109	.111	.111	.111	.111	.111	.00
52	.14	.22	.30	.37	.44	.51	.57	.62	.68	.78	.87	.95	.101	.107	.111	.114	.115	.115	.115	.115	.00
53	.14	.23	.31	.39	.46	.53	.59	.65	.71	.81	.90	.99	.105	.111	.115	.118	.120	.120	.120	.120	.00
54	.15	.24	.33	.40	.48	.55	.61	.68	.73	.84	.94	.103	.110	.116	.120	.123	.125	.125	.125	.125	.00
55	.15	.25	.34	.42	.50	.57	.64	.70	.76	.88	.98	.107	.114	.120	.125	.128	.130	.130	.130	.130	.00
56	.16	.26	.35	.44	.52	.59	.66	.73	.79	.91	.102	.111	.118	.125	.129	.133	.134	.134	.134	.134	.00
57	.16	.27	.36	.45	.54	.61	.69	.76	.82	.94	.105	.115	.123	.129	.134	.138	.140	.140	.140	.140	.00
58	.17	.28	.38	.47	.56	.64	.71	.78	.85	.98	.109	.119	.127	.134	.139	.143	.145	.145	.145	.145	.00
59	.18	.29	.39	.49	.58	.66	.74	.81	.88	.91	.103	.113	.123	.132	.139	.144	.148	.150	.150	.150	.00
60	.18	.30	.41	.50	.60	.68	.76	.84	.92	.95	.105	.117	.128	.137	.148	.154	.159	.159	.159	.159	.00
61	.19	.31	.42	.52	.62	.71	.79	.87	.95	.109	.121	.132	.142	.152	.164	.174	.181	.181	.181	.181	.00
62	.20	.32	.43	.54	.64	.73	.82	.90	.98	.113	.126	.137	.146	.154	.164	.174	.181	.186	.186	.186	.00
63	.20	.33	.45	.56	.66	.76	.85	.93	.101	.116	.126	.145	.161	.176	.188	.196	.206	.211	.211	.211	.00
64	.21	.34	.46	.58	.68	.78	.87	.96	.105	.120	.134	.146	.156	.165	.171	.175	.178	.184	.184	.184	.00
65	.22	.35	.48	.60	.70	.81	.90	.99	.108	.126	.138	.151	.162	.171	.176	.181	.185	.185	.185	.185	.00
66	.22	.37	.50	.62	.73	.83	.93	.103	.113	.124	.134	.143	.156	.167	.176	.182	.187	.191	.191	.191	.00
67	.23	.38	.51	.63	.75	.85	.96	.106	.115	.126	.138	.147	.157	.166	.177	.187	.194	.199	.199	.199	.00
68	.24	.39	.53	.65	.77	.89	.99	.109	.119	.129	.139	.147	.157	.167	.177	.187	.194	.199	.199	.199	.00
69	.24	.40	.54	.67	.80	.91	.102	.113	.122	.131	.141	.151	.157	.171	.183	.193	.200	.205	.208	.208	.00
70	.25	.41	.55	.68	.82	.94	.105	.116	.126	.137	.149	.157	.162	.172	.181	.190	.203	.217	.217	.217	.00
71	.26	.42	.58	.72	.85	.97	.108	.119	.130	.149	.166	.181	.194	.204	.212	.217	.220	.221	.221	.221	.00
72	.27	.44	.59	.74	.87	.100	.112	.123	.134	.153	.171	.187	.200	.210	.218	.224	.227	.227	.227	.227	.00
73	.28	.45	.61	.76	.90	.103	.115	.126	.138	.158	.176	.192	.205	.216	.225	.230	.233	.233	.233	.233	.00
74	.28	.46	.63	.78	.92	.106	.118	.130	.141	.162	.181	.198	.211	.223	.231	.237	.240	.241	.241	.241	.00
75	.29	.48	.65	.80	.95	.1															

KARRI POLE VOLUME TABLE 1983

TOTAL HEIGHT = 22 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 10 TO 65CM

CROWN BREAK IS ESTIMATED TO BE 15 METRES.

D.B.H	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	11	12	13	14	15	16	D.B.H T.D.L STUMP
	(CM)																				O.B. 15 10-30 (CM) CM CM
*****HEIGHT ABOVE GROUND IN METRES*****																					
10	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.00
11	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04	.04	.00
12	.00	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05	.05	.00
13	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.05	.06	.06	.06	.07	.07	.00
14	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.08	.00
15	.01	.01	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.09	.09	.00
16	.01	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05	.06	.07	.07	.08	.08	.09	.09	.10	.10	.00
17	.01	.02	.03	.03	.04	.04	.05	.06	.06	.07	.08	.09	.10	.10	.11	.12	.12	.12	.13	.13	.00
18	.01	.02	.03	.04	.04	.05	.06	.06	.07	.08	.09	.10	.11	.12	.13	.13	.14	.14	.15	.15	.00
19	.01	.02	.03	.04	.05	.06	.06	.07	.08	.09	.10	.11	.12	.13	.14	.14	.15	.16	.17	.17	.00
20	.02	.03	.04	.05	.06	.06	.07	.08	.09	.10	.12	.13	.14	.15	.16	.17	.18	.19	.19	.20	.01
21	.02	.03	.04	.05	.06	.07	.08	.09	.10	.11	.13	.14	.15	.16	.17	.18	.19	.20	.21	.21	.01
22	.02	.03	.05	.06	.07	.08	.09	.10	.11	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.01
23	.02	.04	.05	.06	.08	.09	.10	.11	.12	.14	.16	.18	.19	.20	.22	.24	.25	.25	.26	.26	.01
24	.02	.04	.06	.07	.08	.10	.11	.12	.13	.15	.17	.19	.21	.23	.24	.25	.26	.27	.28	.29	.01
25	.03	.04	.06	.08	.09	.11	.12	.13	.15	.17	.19	.21	.23	.25	.26	.28	.29	.30	.31	.31	.01
26	.03	.05	.07	.08	.10	.12	.13	.15	.16	.18	.21	.23	.25	.27	.29	.30	.32	.33	.34	.36	.01
27	.03	.05	.07	.09	.11	.13	.14	.16	.17	.20	.23	.25	.27	.29	.31	.33	.34	.35	.36	.37	.01
28	.03	.06	.08	.10	.12	.14	.15	.17	.19	.22	.25	.27	.30	.32	.34	.36	.37	.38	.39	.40	.01
29	.04	.05	.09	.11	.13	.15	.17	.18	.20	.23	.27	.29	.32	.34	.37	.38	.40	.41	.42	.43	.01
30	.04	.07	.09	.12	.14	.16	.18	.20	.22	.25	.29	.32	.34	.37	.39	.41	.43	.45	.46	.47	.01
31	.04	.07	.10	.12	.15	.17	.19	.21	.23	.27	.31	.34	.37	.40	.42	.44	.46	.48	.49	.50	.01
32	.05	.08	.11	.13	.15	.17	.18	.21	.23	.25	.29	.33	.36	.40	.43	.45	.48	.50	.51	.53	.01
33	.05	.08	.11	.14	.17	.20	.22	.24	.27	.31	.35	.39	.42	.46	.48	.51	.53	.55	.56	.57	.02
34	.05	.09	.12	.15	.18	.21	.24	.26	.29	.33	.37	.41	.45	.49	.52	.54	.57	.58	.60	.61	.02
35	.06	.09	.13	.16	.19	.22	.25	.28	.30	.35	.40	.44	.48	.52	.55	.58	.60	.62	.64	.65	.02
36	.06	.10	.14	.17	.20	.24	.27	.30	.32	.38	.42	.46	.51	.55	.58	.61	.64	.66	.68	.69	.02
37	.06	.10	.14	.18	.22	.25	.28	.31	.34	.40	.45	.50	.54	.58	.62	.65	.68	.70	.72	.73	.02
38	.07	.11	.15	.19	.23	.27	.30	.33	.36	.42	.48	.53	.57	.62	.65	.69	.72	.74	.76	.78	.02
39	.07	.12	.16	.20	.24	.28	.32	.35	.38	.45	.50	.56	.61	.65	.69	.73	.76	.78	.80	.82	.02
40	.08	.12	.17	.21	.26	.30	.33	.37	.40	.47	.53	.59	.64	.69	.73	.77	.80	.82	.85	.87	.02
41	.08	.13	.18	.23	.27	.31	.35	.39	.43	.50	.56	.62	.67	.72	.77	.81	.84	.87	.90	.91	.02
42	.08	.14	.19	.24	.28	.33	.37	.41	.45	.52	.59	.65	.71	.76	.81	.85	.89	.92	.94	.96	.02
43	.09	.15	.20	.25	.30	.34	.39	.43	.47	.55	.62	.68	.75	.80	.85	.90	.93	.97	.99	.101	.03
44	.09	.15	.21	.26	.31	.36	.41	.45	.49	.58	.65	.72	.78	.84	.89	.94	.98	.101	.104	.106	.04
45	.10	.16	.22	.28	.33	.38	.43	.47	.52	.60	.68	.75	.82	.88	.94	.98	.103	.106	.109	.111	.04
46	.10	.17	.23	.29	.34	.39	.45	.50	.54	.63	.71	.79	.86	.92	.98	.103	.108	.111	.114	.116	.04
47	.11	.18	.24	.30	.36	.42	.47	.52	.57	.66	.75	.83	.90	.97	.103	.108	.113	.116	.120	.122	.04
48	.11	.18	.25	.32	.38	.43	.49	.54	.59	.69	.78	.86	.94	.101	.107	.113	.118	.122	.125	.127	.04
49	.12	.19	.26	.33	.39	.45	.51	.57	.62	.72	.82	.90	.98	.106	.112	.118	.123	.127	.131	.133	.04
50	.12	.20	.27	.34	.41	.47	.53	.59	.65	.75	.85	.94	.103	.110	.117	.123	.128	.133	.136	.139	.04
51	.13	.21	.29	.36	.43	.49	.56	.62	.68	.79	.89	.98	.107	.115	.122	.128	.134	.142	.145	.151	.04
52	.13	.22	.30	.37	.45	.51	.58	.64	.70	.82	.92	.102	.111	.120	.127	.134	.143	.154	.162	.169	.04
53	.14	.23	.31	.37	.46	.53	.60	.67	.73	.85	.96	.106	.116	.125	.132	.140	.145	.156	.160	.169	.04
54	.14	.23	.32	.40	.48	.56	.63	.70	.76	.89	.100	.111	.121	.129	.138	.145	.151	.156	.163	.173	.04
55	.15	.24	.33	.42	.50	.58	.65	.72	.79	.92	.104	.115	.125	.135	.143	.150	.157	.162	.166	.170	.05
56	.15	.25	.34	.43	.52	.60	.68	.75	.82	.96	.106	.119	.130	.140	.148	.156	.163	.168	.173	.176	.05
57	.16	.26	.36	.45	.54	.62	.70	.78	.85	.99	.112	.124	.135	.145	.154	.162	.169	.175	.179	.183	.05
58	.16	.27	.37	.47	.56	.65	.73	.81	.88	.103	.116	.129	.140	.150	.160	.168	.175	.181	.186	.191	.05
59	.17	.28	.39	.49	.58	.67	.76	.84	.92	.107	.120	.133	.145	.156	.166	.174	.182	.189	.196	.201	.05
60	.18	.29	.40	.50	.60	.69	.78	.87	.95	.110	.125	.138	.150	.161	.171	.180	.188	.194	.202	.207	.05
61	.18	.30	.40	.50	.60	.72	.81	.90	.98	.114	.129	.143	.159	.171	.187	.195	.201	.206	.210	.211	.06
62	.19	.31	.43	.53	.64	.74	.84	.93	.102	.118	.133	.148	.161	.173	.184	.193	.201	.208	.216	.219	.06
63	.20	.32	.44	.54	.66	.77	.87	.96	.105	.122	.138	.153	.166	.179	.190	.200	.208	.215	.221	.225	.06
64	.20	.33	.46	.58	.69	.79	.90	.99	.109	.126	.141	.156	.172	.187	.198	.205	.212	.222	.228	.233	.06
65	.21	.35	.47	.60	.71	.82	.92	.102	.112	.130	.147	.163	.177	.191	.203	.213	.222	.230	.236	.240	.06
66	.21	.36	.49	.61	.73	.85	.95	.106	.116	.135	.152	.168	.183	.197	.209	.220	.229	.237	.243	.249	.07
67	.22	.37	.50	.63	.76	.87	.98	.109	.119	.139	.157	.173	.189	.203	.216	.227	.236	.244	.251	.256	.07
68	.23	.38	.52	.65	.78	.90	.102	.113	.123	.143	.162	.179	.195	.205	.222	.239	.244	.252	.259	.264	.07
69	.24	.39	.54	.67	.80	.93	.103	.116	.127	.148	.167	.184	.201	.216	.229	.241	.251	.260	.267	.272	.07
70	.24	.40	.55	.69	.83	.96	.108	.120	.131	.152	.172	.190	.207	.222	.236	.248	.259	.268	.275	.280	.07
71	.25	.41	.57	.73	.85	.98	.111	.123	.135	.157	.177	.196	.213	.234	.243	.256	.267	.276	.283	.288	.07
72	.26	.43	.59	.74	.88	.101	.114	.127	.139	.161	.182	.201	.219	.236	.250	.263	.275	.284	.291	.297	.08
73	.26	.44	.60	.76	.90	.104	.118	.130	.143	.166	.187	.207	.226	.242	.258	.271	.282	.292	.303	.306	.08
74	.27	.45	.62	.76	.93	.107	.121	.134	.147	.171	.193	.213	.232	.252	.265	.279	.291	.303	.308	.314	.08
75	.28	.46	.64	.80	.96	.101	.124	.138	.151	.175	.198	.219	.239	.255	.272	.287	.299	.309	.317	.323	.09
76	.29	.48	.66	.82	.98	.103	.128	.142	.155	.180	.204	.225	.245	.262	.280	.293	.307	.317	.326	.332	.09
77	.30	.49	.67	.85	.101	.116	.131	.145	.159	.185	.209	.231	.252	.271	.288	.303	.315	.326	.335	.341	.09
78	.30	.50	.69	.87	.104																

TOTAL HEIGHT = 22 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 10 TO 85CM CROWN BREAK IS ESTIMATED TO BE 15 METRES.

HEIGHT ABOVE GROUND IN METRES

D.B.H D.B.H T.D.L STUMP

O.B. 17 O.B. 15 10-30

(CM) (CM) CM CM

TOTAL HEIGHT = 24 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 10 TO 85CM

CROWN BREAK IS ESTIMATED TO BE 16 METRES.

HEIGHT ABOVE GROUND IN METRES																D.B.H T.D.L STUMP									
D.B.H	O.B. 1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	11	12	13	14	15	16	O.B. 15	T.D.L CM	STUMP CM		
(CM)																					(CM)	CM	CM		
10	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.00	
11	.00	.01	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.00	
12	.00	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.05	.05	.06	.06	.06	.06	.06	.00	
13	.01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.06	.06	.06	.07	.07	.07	.07	.07	.07	.07	.00	
14	.01	.01	.02	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.07	.08	.08	.08	.08	.09	.09	.09	.00	
15	.01	.01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.09	.09	.10	.10	.10	.10	.10	.00	
16	.01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.07	.08	.09	.10	.10	.10	.11	.11	.11	.12	.12	.12	.13	.13	.00
17	.01	.02	.03	.03	.04	.04	.05	.05	.06	.07	.08	.09	.10	.11	.11	.11	.12	.12	.13	.13	.14	.14	.15	.15	.00
18	.01	.02	.03	.04	.04	.05	.06	.06	.07	.08	.09	.10	.11	.12	.13	.14	.14	.15	.15	.16	.16	.17	.17	.17	.00
19	.01	.02	.03	.04	.05	.06	.07	.07	.08	.09	.10	.12	.13	.14	.15	.15	.16	.17	.17	.18	.18	.19	.19	.00	
20	.02	.03	.04	.05	.06	.06	.07	.08	.09	.10	.12	.13	.14	.15	.16	.17	.18	.19	.20	.20	.21	.22	.21	.01	
21	.02	.03	.04	.05	.06	.07	.08	.09	.10	.12	.13	.15	.16	.17	.18	.19	.20	.21	.22	.22	.23	.23	.23	.01	
22	.02	.03	.05	.06	.07	.08	.09	.10	.11	.13	.15	.18	.18	.19	.20	.20	.21	.22	.23	.24	.25	.25	.25	.01	
23	.02	.04	.05	.06	.08	.09	.10	.11	.12	.14	.16	.18	.20	.21	.22	.24	.25	.26	.27	.27	.27	.27	.27	.01	
24	.02	.04	.06	.07	.08	.10	.11	.12	.13	.18	.18	.20	.22	.23	.25	.26	.27	.28	.29	.30	.30	.30	.30	.01	
25	.03	.04	.06	.08	.09	.11	.12	.13	.15	.17	.19	.22	.24	.25	.27	.29	.30	.31	.32	.33	.33	.35	.36	.01	
26	.03	.05	.07	.08	.10	.12	.13	.15	.16	.19	.21	.24	.26	.28	.30	.31	.33	.34	.35	.36	.36	.36	.36	.01	
27	.03	.05	.07	.09	.11	.14	.14	.16	.17	.20	.23	.26	.28	.30	.32	.34	.36	.37	.38	.39	.39	.39	.39	.01	
28	.03	.06	.08	.10	.12	.14	.16	.17	.19	.22	.25	.28	.30	.33	.35	.37	.38	.40	.41	.42	.42	.42	.42	.02	
29	.04	.06	.09	.11	.13	.15	.17	.19	.20	.24	.27	.30	.33	.35	.38	.40	.42	.43	.45	.46	.47	.46	.47	.01	
30	.04	.07	.09	.12	.14	.16	.18	.20	.22	.26	.29	.32	.35	.38	.40	.43	.45	.46	.48	.49	.50	.50	.50	.01	
31	.04	.07	.10	.12	.15	.17	.19	.22	.24	.27	.31	.35	.38	.41	.43	.46	.48	.50	.52	.53	.53	.53	.53	.01	
32	.05	.08	.11	.13	.16	.18	.21	.23	.25	.29	.33	.37	.40	.44	.46	.49	.51	.53	.55	.55	.57	.57	.57	.01	
33	.05	.08	.11	.13	.17	.19	.20	.22	.25	.27	.31	.36	.40	.43	.47	.50	.52	.55	.55	.59	.59	.59	.59	.01	
34	.05	.09	.12	.15	.18	.21	.24	.26	.29	.32	.38	.42	.46	.50	.53	.56	.59	.61	.63	.65	.65	.65	.65	.02	
35	.06	.09	.13	.16	.19	.22	.25	.28	.31	.36	.40	.45	.49	.53	.56	.60	.62	.65	.67	.69	.69	.71	.71	.71	.02
36	.06	.10	.14	.17	.20	.24	.27	.30	.33	.38	.43	.48	.52	.56	.60	.63	.66	.69	.71	.73	.73	.73	.73	.02	
37	.06	.10	.14	.18	.22	.25	.28	.32	.35	.40	.46	.51	.55	.59	.63	.67	.70	.73	.75	.77	.77	.77	.77	.02	
38	.07	.11	.15	.19	.23	.27	.30	.33	.37	.43	.48	.54	.58	.63	.67	.71	.74	.77	.80	.82	.82	.82	.82	.02	
39	.07	.12	.16	.20	.24	.28	.32	.35	.39	.45	.51	.57	.62	.67	.71	.75	.79	.82	.84	.87	.87	.87	.87	.02	
40	.07	.12	.17	.21	.24	.26	.30	.34	.37	.41	.48	.54	.60	.65	.70	.75	.79	.83	.85	.88	.89	.91	.90	.02	
41	.08	.13	.18	.23	.27	.31	.35	.39	.43	.50	.57	.63	.69	.74	.79	.84	.88	.91	.94	.96	.97	.97	.97	.02	
42	.08	.14	.19	.24	.28	.32	.37	.41	.45	.52	.60	.66	.72	.78	.83	.88	.92	.95	.98	.99	.99	.99	.99	.02	
43	.09	.14	.20	.25	.30	.34	.39	.43	.48	.55	.63	.70	.76	.82	.87	.92	.97	.101	.104	.107	.107	.107	.107	.03	
44	.09	.15	.21	.26	.31	.35	.41	.46	.50	.56	.63	.70	.76	.82	.86	.92	.97	.102	.106	.109	.112	.114	.114	.03	
45	.10	.16	.22	.28	.33	.38	.43	.48	.52	.63	.69	.77	.84	.90	.96	.102	.107	.111	.114	.117	.117	.117	.117	.03	
46	.10	.17	.23	.29	.35	.40	.45	.50	.55	.64	.72	.80	.88	.95	.101	.107	.112	.116	.120	.123	.123	.123	.123	.03	
47	.10	.17	.24	.30	.36	.42	.47	.52	.57	.67	.76	.84	.92	.99	.106	.112	.117	.121	.125	.129	.129	.129	.129	.03	
48	.11	.18	.25	.32	.38	.44	.49	.55	.60	.70	.79	.88	.96	.103	.110	.117	.122	.127	.131	.135	.135	.135	.135	.03	
49	.11	.19	.26	.33	.39	.45	.52	.57	.63	.73	.83	.90	.99	.106	.113	.120	.127	.133	.137	.140	.140	.140	.140	.03	
50	.12	.20	.27	.34	.41	.48	.54	.60	.65	.70	.86	.96	.105	.113	.120	.127	.133	.138	.143	.147	.147	.147	.147	.03	
51	.12	.21	.28	.36	.43	.50	.56	.62	.68	.75	.90	.100	.109	.118	.125	.132	.139	.144	.148	.153	.153	.153	.153	.04	
52	.13	.22	.30	.37	.45	.52	.58	.65	.71	.78	.83	.94	.104	.114	.122	.131	.138	.145	.150	.155	.159	.159	.159	.04	
53	.13	.22	.31	.39	.47	.54	.61	.67	.74	.86	.98	.108	.118	.127	.136	.144	.150	.156	.161	.165	.165	.165	.165	.04	
54	.14	.23	.32	.40	.46	.53	.60	.67	.74	.80	.91	.101	.111	.123	.133	.141	.149	.156	.163	.168	.172	.172	.172	.04	
55	.15	.24	.33	.42	.50	.58	.66	.73	.80	.93	.105	.117	.128	.136	.147	.155	.163	.170	.179	.184	.189	.193	.193	.04	
56	.15	.25	.35	.44	.52	.60	.68	.76	.83	.97	.109	.120	.133	.143	.152	.161	.169	.176	.181	.186	.191	.196	.196	.05	
57	.16	.26	.36	.45	.54	.63	.71	.79	.86	.98	.100	.114	.126	.138	.148	.158	.167	.175	.182	.188	.193	.197	.197	.05	
58	.16	.27	.37	.47	.56	.65	.73	.81	.89	.104	.118	.131	.143	.154	.164	.173	.182	.193	.199	.205	.210	.210	.210	.05	
59	.17	.28	.38	.49	.58	.67	.76	.84	.92	.108	.122	.135	.148	.160	.172	.184	.197	.208	.218	.227	.236	.236	.236	.05	
60	.17	.29	.40	.56	.60	.67	.70	.79	.87	.96	.112	.126	.140	.153	.165	.176	.186	.195	.205	.215	.224	.224	.224	.05	
61	.18	.30	.41	.52	.62	.67	.71	.78	.85	.99	.116	.131	.145	.159	.171	.182	.193	.203	.212	.221	.235	.249	.251	.05	
62	.19	.31	.43	.55	.65	.75	.84	.94	.103	.115	.135	.147	.161	.174	.187	.199	.209	.217	.224	.230	.236	.236	.236	.06	
63	.19	.32	.44	.56	.67	.77	.87	.97	.106	.124	.140	.153	.167	.179	.191	.203	.215	.226	.236	.242	.248	.248	.248	.06	
64	.20	.33	.46	.58	.69	.80	.90	.101	.110	.128	.145	.160	.175	.189	.203	.217	.231	.242	.253	.264	.274	.274	.274	.06	
65	.21	.34	.47	.60	.71	.82	.93	.103	.113	.132	.149	.164	.179	.193	.205	.218	.230	.242	.253	.264	.274	.274	.274	.06	
66	.21	.35	.49	.61	.73	.85	.96	.107	.127	.136	.151	.169	.187	.202	.224	.247	.271	.292	.312	.329	.345	.359	.370	.09	
67	.22	.37	.50	.63	.76	.89	.99	.110	.120	.130	.143	.159	.174	.203	.229	.258	.278	.300	.320	.348	.354	.368	.380	.09	
68	.23	.38	.52	.65	.78	.90	.102	.113	.124	.134	.144	.164	.182	.199	.214	.228	.241	.253	.263	.271	.278	.286	.293	.07	
69	.23	.39	.54	.67	.81	.93	.105	.117	.128	.139	.152	.177	.201	.223	.243	.262	.280	.296	.310	.322	.333	.341	.341	.07	
70	.24	.40	.55	.69	.83	.96	.108	.120	.132	.150	.174	.193	.211	.2											

TOTAL HEIGHT = 24 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 10 TO 85CM

CROWN BREAK IS ESTIMATED TO BE 16 METRES.

HEIGHT ABOVE GROUND IN METRES

D.B.H D.B.H T.D.L STUMP

O.B. 17 18 O.B. 15 10-30

(CM) (CM) CM CM

10	.09	.04	.10	.06
11	.05	.05	.11	.06
12	.09	.06	.12	.06
13	.07	.07	.13	.06
14	.09	.09	.14	.06
15	.10	.11	.15	.06
16	.12	.12	.16	.06
17	.14	.14	.17	.06
18	.16	.16	.18	.06
19	.18	.18	.19	.03 .00
20	.20	.21	.20	.06 .00
21	.23	.23	.21	.09 .01
22	.25	.26	.22	.13 .01
23	.28	.28	.23	.17 .01
24	.31	.31	.24	.21 .01
25	.34	.34	.25	.25 .01
26	.37	.37	.26	.29 .01
27	.40	.40	.27	.33 .01
28	.43	.44	.28	.37 .01
29	.47	.47	.29	.42 .01
30	.50	.51	.30	.46 .01
31	.54	.55	.31	.50 .01
32	.58	.59	.32	.54 .01
33	.62	.63	.33	.59 .01
34	.66	.67	.34	.63 .02
35	.70	.71	.35	.68 .02
36	.74	.76	.36	.72 .02
37	.79	.80	.37	.77 .02
38	.84	.85	.38	.82 .02
39	.88	.90	.39	.87 .02
40	.93	.95	.40	.93 .02
41	.98	1.00	.41	.98 .02
42	1.03	1.05	.42	1.03 .03
43	1.09	1.10	.43	1.09 .03
44	1.18	1.16	.44	1.15 .03
45	1.20	1.21	.45	1.21 .03
46	1.25	1.27	.46	1.27 .03
47	1.31	1.33	.47	1.33 .03
48	1.37	1.39	.48	1.39 .03
49	1.43	1.45	.49	1.45 .03
50	1.50	1.52	.50	1.52 .04
51	1.56	1.58	.51	1.59 .04
52	1.62	1.65	.52	1.65 .04
53	1.69	1.71	.53	1.72 .04
54	1.76	1.78	.54	1.73 .04
55	1.83	1.85	.55	1.87 .04
56	1.90	1.92	.56	1.94 .05
57	1.97	2.00	.57	2.02 .05
58	2.04	2.07	.58	2.09 .05
59	2.11	2.15	.59	2.17 .05
60	2.19	2.22	.60	2.25 .05
61	2.27	2.30	.61	2.33 .05
62	2.35	2.38	.62	2.41 .05
63	2.42	2.46	.63	2.49 .06
64	2.50	2.54	.64	2.58 .06
65	2.59	2.62	.65	2.66 .06
66	2.67	2.71	.66	2.75 .06
67	2.75	2.80	.67	2.84 .07
68	2.84	2.88	.68	2.93 .07
69	2.93	2.97	.69	3.02 .07
70	3.02	3.06	.70	3.11 .07
71	3.11	3.15	.71	3.20 .08
72	3.20	3.24	.72	3.30 .08
73	3.29	3.34	.73	3.39 .08
74	3.39	3.43	.74	3.49 .08
75	3.48	3.53	.75	3.59 .08
76	3.58	3.63	.76	3.69 .09
77	3.67	3.73	.77	3.79 .09
78	3.77	3.83	.78	3.90 .09
79	3.87	3.93	.79	4.00 .09
80	3.98	4.03	.80	4.11 .10
81	4.08	4.14	.81	4.21 .10
82	4.18	4.24	.82	4.32 .10
83	4.29	4.35	.83	4.43 .10
84	4.40	4.46	.84	4.54 .11
85	4.50	4.57	.85	4.66 .11

D.B.H D.B.H T.D.L STUMP

O.B. 17 18 O.B. 15 10-30

(CM) (CM) CM CM

HEIGHT ABOVE GROUND IN METRES

TOTAL HEIGHT = 26 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 10 TO 85CM CROWN BREAK IS ESTIMATED TO BE 17 METRES.

D.B.H (CM)	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	11	12	13	14	15	16	D.B.H.T.D.L STUMP (CM) CM CH
10	.00	.03	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04	.04	.00
11	.00	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.05	.05	.05	.05	.00
12	.00	.01	.01	.01	.02	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05	.05	.06	.06	.06	.06	.00
13	.01	.03	.01	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.05	.06	.06	.07	.07	.07	.08	.00
14	.01	.01	.02	.02	.02	.03	.03	.04	.04	.05	.05	.05	.06	.06	.07	.07	.08	.08	.09	.09	.00
15	.01	.01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.09	.10	.10	.10	.11	.00
16	.01	.02	.02	.03	.03	.04	.04	.05	.05	.06	.07	.07	.08	.09	.10	.11	.12	.12	.12	.16	.00
17	.01	.02	.03	.03	.04	.04	.05	.05	.06	.07	.08	.09	.10	.11	.12	.13	.13	.14	.14	.17	.00
18	.01	.02	.03	.04	.04	.05	.05	.06	.06	.07	.08	.09	.10	.11	.12	.13	.15	.15	.16	.18	.00
19	.01	.02	.03	.04	.05	.06	.06	.07	.07	.08	.09	.11	.12	.13	.14	.15	.16	.17	.17	.18	.00
20	.02	.03	.04	.05	.06	.06	.07	.07	.08	.09	.11	.12	.13	.15	.16	.17	.18	.19	.20	.20	.00
21	.02	.03	.04	.05	.06	.07	.08	.09	.10	.12	.13	.15	.16	.18	.19	.20	.21	.22	.23	.23	.01
22	.02	.03	.05	.06	.07	.08	.09	.10	.11	.13	.15	.16	.18	.19	.21	.22	.23	.24	.25	.26	.01
23	.02	.04	.05	.06	.08	.09	.10	.11	.12	.19	.16	.18	.20	.21	.23	.26	.26	.27	.28	.29	.01
24	.02	.04	.06	.07	.08	.10	.11	.12	.14	.16	.18	.20	.22	.25	.25	.28	.29	.31	.31	.24	.01
25	.03	.06	.06	.08	.09	.11	.12	.14	.16	.17	.20	.22	.24	.26	.28	.31	.32	.33	.33	.25	.01
26	.03	.05	.07	.08	.10	.12	.13	.15	.16	.19	.21	.24	.26	.28	.30	.32	.34	.36	.38	.26	.01
27	.03	.05	.07	.09	.11	.13	.14	.18	.18	.21	.23	.26	.28	.31	.33	.35	.37	.38	.40	.27	.01
28	.03	.06	.08	.10	.12	.14	.16	.17	.19	.22	.25	.28	.31	.33	.36	.38	.40	.41	.43	.45	.01
29	.04	.06	.09	.11	.13	.15	.17	.19	.21	.24	.27	.30	.33	.36	.38	.41	.43	.45	.46	.48	.01
30	.04	.07	.09	.12	.14	.16	.18	.20	.22	.26	.29	.32	.36	.39	.41	.46	.48	.50	.51	.50	.01
31	.04	.07	.10	.12	.15	.17	.19	.22	.24	.28	.32	.35	.38	.41	.44	.49	.52	.54	.53	.51	.01
32	.05	.08	.11	.13	.16	.18	.21	.23	.25	.30	.34	.38	.41	.45	.48	.50	.53	.55	.57	.59	.01
33	.05	.08	.11	.14	.17	.20	.22	.25	.27	.32	.36	.40	.44	.47	.51	.56	.57	.59	.61	.63	.01
34	.05	.09	.12	.15	.18	.21	.24	.26	.29	.34	.38	.43	.47	.51	.54	.58	.60	.63	.65	.67	.02
35	.06	.09	.13	.16	.19	.22	.25	.28	.31	.36	.41	.46	.50	.54	.58	.61	.64	.67	.70	.72	.02
36	.06	.10	.14	.17	.21	.24	.27	.30	.33	.38	.44	.48	.53	.57	.61	.65	.68	.71	.74	.76	.02
37	.06	.10	.14	.18	.22	.25	.29	.32	.35	.41	.46	.51	.56	.61	.65	.69	.72	.76	.78	.81	.02
38	.07	.11	.15	.19	.23	.27	.30	.34	.37	.43	.49	.54	.59	.64	.69	.73	.77	.80	.83	.86	.02
39	.07	.12	.16	.20	.24	.28	.32	.35	.39	.45	.52	.57	.63	.68	.73	.77	.81	.85	.88	.90	.02
40	.07	.12	.17	.21	.26	.30	.34	.37	.41	.48	.54	.61	.66	.72	.77	.81	.85	.89	.93	.95	.02
41	.08	.13	.18	.23	.27	.31	.36	.39	.43	.51	.57	.60	.70	.76	.81	.86	.90	.94	.98	.101	.02
42	.08	.18	.19	.24	.27	.33	.37	.42	.46	.53	.60	.67	.74	.80	.85	.90	.95	.99	.103	.106	.02
43	.09	.19	.20	.25	.30	.35	.39	.44	.48	.56	.64	.71	.77	.84	.88	.95	.100	.104	.108	.111	.03
44	.09	.15	.21	.26	.31	.36	.41	.46	.50	.59	.67	.74	.81	.88	.94	.100	.103	.109	.113	.117	.03
45	.09	.16	.22	.28	.33	.38	.43	.48	.53	.62	.70	.78	.85	.92	.98	.104	.110	.115	.119	.123	.03
46	.10	.17	.23	.29	.35	.40	.45	.50	.55	.65	.73	.81	.89	.96	.103	.109	.115	.120	.125	.128	.03
47	.10	.17	.24	.30	.36	.42	.47	.53	.58	.68	.77	.85	.93	.101	.108	.114	.120	.126	.130	.134	.03
48	.11	.18	.25	.32	.38	.44	.50	.55	.60	.71	.80	.88	.98	.105	.113	.120	.126	.131	.136	.140	.03
49	.11	.19	.26	.33	.40	.46	.52	.58	.63	.75	.84	.93	.102	.110	.118	.125	.131	.137	.142	.147	.03
50	.12	.20	.27	.34	.41	.48	.54	.60	.66	.77	.87	.97	.106	.115	.123	.130	.137	.143	.148	.153	.04
51	.12	.21	.28	.36	.43	.50	.56	.63	.69	.80	.91	.101	.111	.120	.128	.136	.143	.149	.155	.160	.04
52	.13	.21	.30	.37	.45	.52	.59	.65	.72	.84	.95	.105	.115	.125	.133	.142	.149	.155	.161	.166	.04
53	.13	.22	.31	.39	.47	.54	.61	.68	.74	.87	.99	.110	.120	.130	.139	.147	.155	.162	.168	.173	.04
54	.14	.23	.32	.40	.48	.56	.63	.71	.77	.90	.103	.115	.125	.135	.144	.153	.161	.168	.174	.180	.04
55	.14	.24	.33	.42	.50	.58	.65	.73	.80	.91	.107	.119	.130	.140	.150	.159	.167	.175	.181	.187	.04
56	.15	.25	.35	.44	.52	.61	.69	.76	.84	.98	.111	.123	.135	.146	.156	.165	.174	.181	.188	.194	.05
57	.16	.26	.36	.45	.54	.63	.71	.79	.87	.101	.115	.126	.140	.150	.162	.172	.180	.188	.195	.201	.05
58	.16	.27	.37	.47	.56	.65	.74	.82	.90	.105	.119	.133	.145	.157	.168	.178	.187	.195	.203	.209	.05
59	.17	.28	.39	.49	.58	.68	.76	.85	.93	.109	.124	.137	.150	.163	.174	.184	.194	.202	.210	.216	.05
60	.17	.29	.40	.50	.60	.70	.79	.88	.97	.113	.128	.142	.156	.168	.180	.191	.201	.217	.224	.230	.05
61	.18	.30	.41	.52	.63	.72	.82	.91	.100	.117	.132	.147	.161	.174	.186	.198	.208	.217	.225	.232	.05
62	.19	.31	.43	.54	.65	.75	.85	.94	.103	.121	.137	.152	.167	.180	.193	.208	.215	.224	.233	.240	.06
63	.19	.32	.44	.56	.67	.77	.87	.97	.107	.125	.142	.157	.172	.186	.199	.211	.222	.232	.241	.248	.06
64	.20	.33	.46	.58	.69	.80	.91	.101	.110	.129	.146	.163	.178	.193	.206	.218	.230	.240	.249	.256	.06
65	.21	.34	.47	.60	.71	.83	.93	.104	.114	.133	.151	.168	.184	.194	.209	.213	.225	.237	.248	.257	.06
66	.21	.35	.49	.61	.74	.86	.96	.106	.118	.137	.156	.173	.190	.203	.220	.233	.245	.256	.265	.273	.06
67	.22	.36	.50	.63	.76	.88	.100	.111	.121	.142	.161	.179	.196	.212	.226	.240	.253	.260	.273	.282	.07
68	.23	.38	.52	.65	.78	.91	.103	.118	.125	.146	.166	.185	.202	.218	.234	.248	.260	.272	.282	.291	.07
69	.23	.39	.53	.67	.81	.94	.106	.121	.129	.151	.171	.190	.208	.225	.241	.258	.268	.280	.291	.300	.07
70	.24	.40	.55	.69	.83	.96	.109	.121	.133	.155	.176	.198	.215	.232	.248	.263	.277	.289	.299	.309	.07
71	.25	.41	.57	.71	.86	.99	.112	.125	.137	.160	.182	.202	.221	.235	.252	.270	.285	.297	.308	.318	.07
72	.25	.42	.58	.74	.88	.102	.116	.128	.141	.165	.187	.208	.226	.246	.263	.278	.293	.306	.317	.327	.08
73	.26	.44	.60	.76	.91	.105	.119	.132	.145	.169	.192	.214	.234	.253	.271	.287	.302	.315	.327	.337	.08
74	.27	.45	.62	.78	.93	.108	.122	.136	.149	.174	.198	.220	.241	.260	.278	.293	.310	.324	.336	.346	.08
75	.28	.46	.63	.80	.96	.111	.126	.140	.153	.179	.203	.226	.247	.267	.286	.303	.319	.334	.345	.356	.08
76	.28	.47	.65	.82	.99	.114	.129	.144	.158	.184	.209	.229	.252	.275	.294	.312	.328	.342	.355	.366	.09
77	.29	.49	.67	.85	.101	.117	.133	.148	.162	.189	.215	.239	.261	.282	.302	.320	.337	.352	.365	.376	.09
78	.30	.50	.69	.87	.104	.121	.136	.152	.165	.194	.220	.242	.268	.290	.310	.329	.346	.361	.375	.386	.09
79	.31	.51	.71	.89	.107	.124	.140	.156	.171	.199	.226	.252	.275	.296	.319	.338	.355	.371	.385	.397	.09
80	.32	.53	.73	.93	.110	.127	.142	.160	.175	.205	.232	.258	.283	.3							

TOTAL HEIGHT = 26 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 10 TO 85CM CROWN BREAK IS ESTIMATED TO BE 17 METRES.

HEIGHT ABOVE GROUND IN METRES

D.B.H D.B.H T.D.L STUMP

O.B. 17 18 19 O.B. 15 10-30

(CM) (CM) CM CM

10 .04 .08 .04 .10 .00

11 .05 .05 .05 .11 .00

12 .06 .06 .07 .12 .00

13 .08 .08 .08 .13 .00

14 .09 .09 .10 .14 .00

15 .11 .11 .11 .15 .00

16 .13 .13 .13 .16 .00

17 .15 .15 .15 .17 .00

18 .17 .17 .17 .18 .00

19 .19 .19 .20 .19 .03

20 .21 .22 .22 .20 .06

21 .24 .24 .25 .23 .10

22 .27 .27 .28 .24 .14

23 .29 .30 .30 .23 .18

24 .32 .33 .33 .24 .23

25 .35 .36 .37 .26 .27

26 .39 .39 .40 .26 .32

27 .42 .43 .43 .27 .36

28 .45 .46 .47 .28 .40

29 .49 .50 .51 .29 .45

30 .53 .54 .55 .30 .49

31 .57 .58 .59 .31 .54

32 .61 .62 .63 .32 .58

33 .65 .66 .67 .33 .63

34 .69 .71 .72 .34 .68

35 .74 .75 .76 .35 .73

36 .78 .80 .81 .36 .78

37 .83 .85 .86 .37 .83

38 .88 .90 .91 .38 .89

39 .93 .95 .96 .39 .94

40 .98 1.00 1.01 1.00 1.00

41 1.03 1.05 1.07 1.01 1.06

42 1.09 1.11 1.12 1.02 1.11

43 1.14 1.16 1.18 1.03 1.18

44 1.20 1.22 1.24 1.04 1.24

45 1.26 1.28 1.30 1.05 1.30

46 1.32 1.33 1.35 1.06 1.37

47 1.38 1.41 1.43 1.07 1.43

48 1.44 1.47 1.49 1.08 1.50

49 1.50 1.53 1.56 1.09 1.57

50 1.57 1.60 1.63 1.10 1.64

51 1.64 1.67 1.69 1.11 1.71

52 1.70 1.73 1.77 1.12 1.78

53 1.77 1.81 1.84 1.13 1.86

54 1.84 1.88 1.91 1.14 1.93

55 1.92 1.96 1.99 1.15 2.01

56 1.99 2.03 2.06 1.16 2.09

57 2.07 2.11 2.14 1.17 2.17

58 2.14 2.18 2.22 1.18 2.25

59 2.22 2.26 2.30 1.19 2.34

60 2.30 2.34 2.38 1.20 2.42

61 2.38 2.43 2.46 1.21 2.51

62 2.46 2.51 2.55 1.22 2.60

63 2.54 2.60 2.64 1.23 2.69

64 2.63 2.68 2.72 1.24 2.78

65 2.71 2.77 2.81 1.25 2.87

66 2.80 2.86 2.90 1.26 2.96

67 2.89 2.95 3.00 1.27 3.06

68 2.98 3.04 3.09 1.28 3.15

69 3.07 3.14 3.18 1.29 3.25

70 3.17 3.23 3.28 1.30 3.35

71 3.26 3.33 3.38 1.31 3.45

72 3.36 3.42 3.48 1.32 3.56

73 3.45 3.52 3.58 1.33 3.66

74 3.55 3.62 3.68 1.34 3.76

75 3.65 3.73 3.78 1.35 3.87

76 3.75 3.83 3.89 1.36 3.98

77 3.86 3.93 3.99 1.37 4.09

78 3.96 4.04 4.10 1.38 4.20

79 4.07 4.15 4.21 1.39 4.31

80 4.17 4.26 4.32 1.40 4.43

81 4.28 4.37 4.43 1.41 4.54

82 4.39 4.48 4.55 1.42 4.66

83 4.50 4.59 4.66 1.43 4.78

84 4.61 4.71 4.78 1.44 4.90

85 4.73 4.82 4.90 1.45 5.02

D.B.H D.B.H T.D.L STUMP

O.B. 17 18 19 O.B. 15 10-30

(CM) (CM) CM CM

HEIGHT ABOVE GROUND IN METRES

KARRI POLE VOLUME TABLE 1983

TOTAL HEIGHT = 28 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

CROWN BREAK IS ESTIMATED TO BE 19 METRES.

DBHOB FROM 10 TO 85CM

HEIGHT ABOVE GROUND IN METRES

D.B.H T.D.L STUMP

D.B.H	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	11	12	13	14	15	16	O.B.	15	10-30		
(CM)																					(CM)	CM	CM		
10	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.00	
11	.00	.01	.01	.01	.01	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05	.00	
12	.00	.01	.01	.01	.02	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05	.05	.05	.06	.06	.06	.06	.06	.06	.00	
13	.01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.06	.06	.07	.07	.07	.08	.08	.08	.08	.00	
14	.01	.01	.02	.02	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.07	.08	.08	.09	.09	.09	.09	.09	.09	.00	
15	.01	.04	.02	.02	.03	.03	.04	.04	.04	.05	.05	.06	.06	.07	.08	.08	.09	.09	.10	.10	.11	.11	.11	.00	
16	.01	.02	.02	.03	.03	.03	.04	.04	.04	.05	.05	.06	.07	.08	.09	.10	.10	.11	.11	.12	.12	.13	.13	.00	
17	.01	.02	.03	.03	.04	.04	.05	.05	.06	.06	.07	.08	.09	.10	.11	.12	.12	.13	.14	.14	.15	.15	.15	.00	
18	.01	.02	.03	.04	.04	.05	.06	.06	.07	.07	.08	.09	.11	.12	.13	.13	.14	.15	.16	.16	.17	.17	.18	.00	
19	.01	.02	.03	.04	.05	.06	.07	.07	.08	.09	.11	.12	.13	.15	.16	.17	.18	.19	.19	.19	.19	.19	.19	.00	
20	.02	.03	.04	.05	.06	.07	.07	.08	.09	.11	.12	.13	.15	.16	.17	.18	.19	.20	.21	.22	.22	.22	.22	.00	
21	.02	.03	.04	.05	.06	.07	.08	.09	.10	.12	.13	.15	.16	.18	.19	.20	.21	.22	.23	.23	.24	.24	.24	.00	
22	.02	.03	.05	.06	.07	.08	.09	.10	.11	.13	.15	.17	.18	.20	.21	.23	.24	.26	.26	.27	.27	.27	.27	.01	
23	.02	.04	.05	.06	.08	.09	.10	.11	.12	.15	.17	.18	.20	.22	.23	.23	.26	.27	.29	.30	.30	.31	.31	.01	
24	.02	.04	.06	.07	.08	.10	.11	.12	.14	.16	.18	.20	.22	.24	.26	.28	.30	.32	.34	.36	.36	.37	.37	.01	
25	.03	.04	.06	.08	.09	.11	.12	.14	.15	.17	.20	.22	.24	.26	.28	.30	.32	.34	.36	.38	.39	.39	.39	.01	
26	.03	.05	.07	.08	.10	.12	.13	.15	.16	.19	.22	.24	.26	.29	.31	.33	.36	.37	.39	.41	.42	.42	.42	.01	
27	.03	.05	.07	.09	.11	.13	.14	.16	.18	.21	.24	.26	.29	.31	.33	.36	.37	.39	.41	.42	.42	.42	.42	.01	
28	.03	.06	.08	.09	.12	.14	.16	.17	.19	.22	.26	.28	.31	.34	.36	.38	.41	.42	.44	.46	.48	.48	.48	.01	
29	.04	.06	.08	.11	.13	.15	.17	.19	.21	.24	.28	.31	.34	.36	.39	.42	.44	.46	.48	.49	.50	.50	.50	.01	
30	.04	.07	.09	.12	.14	.16	.18	.20	.22	.25	.28	.30	.33	.36	.39	.42	.45	.47	.49	.51	.53	.53	.53	.01	
31	.04	.07	.10	.12	.15	.17	.20	.22	.24	.28	.32	.35	.39	.42	.45	.48	.51	.53	.55	.57	.57	.57	.57	.01	
32	.05	.08	.11	.13	.16	.19	.21	.23	.26	.30	.34	.38	.42	.45	.48	.51	.54	.57	.59	.61	.61	.61	.61	.01	
33	.05	.08	.11	.15	.17	.20	.22	.25	.27	.32	.36	.41	.45	.48	.52	.55	.58	.61	.63	.65	.65	.65	.65	.01	
34	.05	.09	.12	.15	.18	.21	.24	.27	.30	.34	.39	.44	.48	.52	.55	.58	.62	.65	.67	.70	.70	.71	.71	.02	
35	.06	.09	.13	.16	.19	.22	.25	.28	.31	.36	.41	.46	.51	.55	.59	.62	.66	.69	.72	.74	.74	.75	.75	.02	
36	.06	.10	.14	.17	.21	.24	.27	.30	.33	.39	.44	.49	.54	.58	.62	.66	.70	.73	.76	.79	.81	.83	.83	.02	
37	.06	.10	.14	.18	.22	.25	.29	.32	.35	.41	.47	.52	.57	.62	.66	.70	.74	.78	.82	.86	.89	.89	.89	.02	
38	.07	.11	.15	.19	.23	.27	.30	.34	.37	.43	.49	.55	.60	.65	.70	.74	.78	.82	.86	.90	.94	.94	.94	.02	
39	.07	.12	.16	.20	.24	.28	.32	.36	.39	.46	.52	.58	.64	.70	.74	.79	.83	.87	.90	.94	.98	.98	.98	.02	
40	.07	.12	.17	.21	.26	.30	.34	.38	.41	.48	.55	.61	.67	.73	.78	.83	.88	.92	.96	.99	.99	.99	.99	.02	
41	.08	.13	.18	.23	.27	.31	.36	.40	.44	.51	.58	.65	.71	.77	.82	.88	.92	.97	.101	.104	.104	.104	.104	.02	
42	.08	.14	.19	.24	.29	.33	.38	.42	.46	.53	.60	.68	.75	.81	.87	.92	.97	.102	.106	.109	.109	.109	.109	.02	
43	.09	.14	.20	.25	.30	.35	.39	.44	.48	.56	.64	.72	.78	.85	.91	.97	.102	.107	.111	.115	.115	.115	.115	.03	
44	.09	.15	.21	.26	.32	.37	.41	.46	.51	.59	.67	.75	.82	.88	.96	.102	.107	.112	.117	.121	.121	.121	.121	.03	
45	.09	.16	.22	.26	.33	.38	.43	.48	.53	.62	.71	.78	.86	.94	.100	.107	.112	.118	.123	.127	.127	.127	.127	.03	
46	.10	.17	.23	.29	.35	.40	.46	.51	.56	.65	.74	.83	.90	.98	.105	.112	.118	.123	.128	.133	.133	.133	.133	.03	
47	.10	.17	.24	.30	.36	.42	.48	.53	.58	.68	.78	.86	.95	.103	.110	.117	.123	.129	.134	.139	.144	.144	.144	.03	
48	.11	.18	.25	.32	.38	.44	.50	.55	.61	.71	.81	.90	.99	.107	.115	.122	.129	.135	.141	.145	.148	.148	.148	.03	
49	.11	.19	.26	.33	.40	.46	.52	.58	.64	.74	.85	.94	.103	.112	.120	.128	.135	.141	.147	.152	.159	.159	.159	.03	
50	.12	.20	.27	.34	.41	.48	.54	.60	.66	.76	.88	.98	.108	.117	.125	.133	.140	.147	.153	.159	.160	.160	.160	.04	
51	.12	.21	.28	.36	.43	.50	.57	.63	.69	.76	.89	.91	.92	.103	.112	.120	.129	.131	.139	.146	.153	.160	.160	.04	
52	.13	.21	.30	.37	.45	.52	.59	.66	.72	.84	.96	.103	.117	.125	.134	.142	.150	.158	.166	.173	.179	.179	.179	.04	
53	.13	.22	.31	.39	.47	.54	.61	.68	.75	.86	.96	.100	.111	.122	.130	.139	.147	.155	.163	.171	.178	.178	.178	.04	
54	.14	.23	.32	.40	.49	.56	.64	.71	.78	.89	.91	.94	.104	.115	.127	.137	.147	.156	.165	.173	.180	.186	.186	.04	
55	.14	.24	.33	.42	.50	.59	.66	.74	.81	.95	.98	.108	.118	.128	.138	.148	.158	.168	.178	.187	.194	.199	.199	.04	
56	.15	.25	.35	.44	.52	.61	.69	.77	.84	.98	.102	.112	.121	.131	.142	.152	.162	.172	.182	.192	.199	.201	.201	.04	
57	.15	.26	.36	.45	.54	.63	.71	.80	.87	.102	.116	.125	.134	.142	.153	.165	.175	.185	.195	.201	.209	.209	.209	.05	
58	.16	.27	.37	.46	.56	.65	.75	.82	.91	.106	.121	.131	.141	.151	.162	.172	.182	.191	.202	.210	.216	.216	.216	.05	
59	.17	.28	.39	.58	.68	.77	.85	.94	.110	.125	.139	.153	.165	.177	.188	.199	.208	.217	.226	.235	.239	.239	.239	.05	
60	.17	.28	.40	.58	.60	.70	.79	.88	.97	.114	.129	.148	.164	.175	.187	.198	.210	.226	.235	.246	.256	.260	.260	.05	
61	.18	.30	.41	.52	.63	.73	.82	.92	.101	.118	.134	.151	.164	.177	.190	.204	.218	.232	.246	.259	.270	.270	.270	.05	
62	.18	.31	.43	.54	.65	.75	.85	.95	.104	.122	.138	.154	.169	.183	.196	.209	.220	.231	.240	.249	.262	.267	.267	.06	
63	.19	.32	.44	.55	.66	.76	.86	.98	.108	.126	.143	.159	.175	.189	.203	.216	.228	.238	.248	.257	.263	.267	.267	.06	
64	.20	.33	.46	.58	.69	.80	.91	1.01	1.11	1.20	1.30	1.43	1.57	1.73	1.88	2.01	2.16	2.24	2.35	2.46	2.56	2.66	2.66	.06	
65	.20	.34	.47	.60	.71	.83	.94	1.05	1.15	1.24	1.34	1.45	1.53	1.70	1.87	2.02	2.17	2.27	2.39	2.43	2.55	2.65	2.74	.06	
66	.21	.35	.49	.61	.74	.86	.97	1.08	1.18	1.30	1.43	1.58	1.76	1.93	2.09	2.24	2.38	2.49	2.52	2.63	2.73	2.83	2.83	.06	
67	.22	.36	.50	.63	.76	.88	.99	1.00	1.12	1.22	1.32	1.43	1.58	1.71	1.89	2.05	2.15	2.21	2.31	2.45	2.59	2.71	2.82	2.87	.07
68	.22	.37	.52	.65	.79	.91	1.03	1.15	1.26	1.36	1.48	1.61	1.78	1.91	2.07	2.25	2.38	2.55	2.67	2.79	2.91	3.03	3.09	.07	
69	.23	.39	.53	.67	.81	.94	1.06	1.18	1.30	1.42	1.52	1.65	1.73	1.83	2.11	2.23	2.45	2.63	2.75	2.88	3.00	3.10	3.19	.07	
70	.24	.40	.55	.69	.83	.97	1.10	1.22	1.3																

KABBT POLE VOLUME TABLE 199

TOTAL HEIGHT = 28 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES

DBMOB FROM 10 TO 85CM

CROWN BREAK IS ESTIMATED TO BE 19 METRES.

HEIGHT ABOVE GROUND IN METRES							D.B.H	T.D.L	STUMP
O.B.	17	18	19	20	22	O.B.	15	10-30	
(CM)						(CM)	CM	CM	
10	.04	.04	.09	.04	.04	.10		.00	
11	.05	.05	.06	.06	.06	.11		.00	
12	.07	.07	.07	.07	.07	.12		.00	
13	.08	.08	.08	.09	.09	.13		.00	
14	.10	.10	.10	.10	.10	.14		.00	
15	.11	.12	.12	.12	.12	.15		.00	
16	.13	.14	.14	.14	.14	.16		.00	
17	.15	.16	.16	.16	.17	.17		.00	
18	.17	.18	.18	.19	.19	.18		.00	
19	.20	.20	.21	.21	.21	.19	.03	.00	
20	.22	.23	.23	.24	.24	.20	.07	.00	
21	.25	.25	.26	.26	.27	.21	.10	.01	
22	.28	.28	.29	.29	.30	.22	.15	.01	
23	.31	.31	.32	.32	.33	.23	.19	.01	
24	.34	.34	.35	.36	.36	.24	.24	.01	
25	.37	.38	.38	.39	.40	.25	.29	.01	
26	.40	.41	.42	.43	.43	.26	.34	.01	
27	.44	.45	.46	.46	.47	.27	.38	.01	
28	.47	.48	.49	.50	.51	.28	.43	.01	
29	.51	.52	.53	.54	.55	.29	.48	.01	
30	.55	.56	.57	.58	.59	.30	.53	.01	
31	.59	.60	.62	.63	.64	.31	.58	.01	
32	.63	.65	.66	.67	.68	.32	.63	.01	
33	.67	.69	.70	.72	.73	.33	.68	.01	
34	.72	.74	.75	.78	.78	.34	.73	.02	
35	.77	.78	.80	.81	.83	.35	.78	.02	
36	.81	.83	.85	.86	.88	.36	.84	.02	
37	.86	.88	.90	.92	.93	.37	.89	.02	
38	.91	.98	.95	.97	.99	.38	.95	.02	
39	.96	.99	1.01	1.02	1.05	.39	1.01	.02	
40	1.02	1.04	1.06	1.08	1.10	.40	1.07	.02	
41	1.07	1.10	1.12	1.14	1.16	.41	1.13	.02	
42	1.13	1.16	1.18	1.20	1.22	.42	1.20	.02	
43	1.19	1.22	1.24	1.26	1.29	.43	1.26	.03	
44	1.25	1.28	1.30	1.32	1.35	.44	1.33	.03	
45	1.31	1.34	1.37	1.39	1.42	.45	1.39	.03	
46	1.37	1.40	1.43	1.45	1.48	.46	1.46	.03	
47	1.43	1.47	1.50	1.52	1.55	.47	1.53	.03	
48	1.50	1.53	1.57	1.59	1.62	.48	1.61	.03	
49	1.56	1.60	1.64	1.66	1.70	.49	1.68	.03	
50	1.63	1.67	1.71	1.73	1.77	.50	1.75	.04	
51	1.70	1.74	1.78	1.81	1.85	.51	1.83	.04	
52	1.77	1.82	1.85	1.88	1.92	.52	1.91	.04	
53	1.84	1.89	1.93	1.96	2.00	.53	1.99	.04	
54	1.92	1.97	2.00	2.04	2.08	.54	2.07	.04	
55	1.99	2.04	2.08	2.12	2.16	.55	2.16	.04	
56	2.07	2.12	2.16	2.20	2.24	.56	2.24	.04	
57	2.15	2.20	2.25	2.28	2.33	.57	2.33	.05	
58	2.23	2.28	2.33	2.37	2.42	.58	2.42	.05	
59	2.31	2.36	2.41	2.45	2.50	.59	2.51	.05	
60	2.39	2.45	2.50	2.50	2.59	.60	2.60	.05	
61	2.47	2.54	2.59	2.63	2.68	.61	2.69	.05	
62	2.56	2.62	2.68	2.72	2.78	.62	2.78	.06	
63	2.65	2.71	2.77	2.81	2.87	.63	2.88	.06	
64	2.73	2.80	2.86	2.90	2.97	.64	2.98	.06	
65	2.82	2.89	2.95	3.00	3.06	.65	3.08	.06	
66	2.91	2.99	3.05	3.10	3.16	.66	3.18	.06	
67	3.01	3.08	3.14	3.19	3.26	.67	3.28	.07	
68	3.10	3.18	3.24	3.29	3.36	.68	3.38	.07	
69	3.20	3.28	3.34	3.39	3.47	.69	3.49	.07	
70	3.29	3.37	3.44	3.50	3.57	.70	3.59	.07	
71	3.39	3.47	3.54	3.60	3.68	.71	3.70	.07	
72	3.49	3.58	3.65	3.71	3.79	.72	3.81	.08	
73	3.59	3.68	3.75	3.81	3.90	.73	3.92	.08	
74	3.69	3.79	3.86	3.82	4.01	.74	4.04	.08	
75	3.80	3.89	3.97	4.03	4.12	.75	4.15	.08	
76	3.90	4.00	4.08	4.15	4.25	.76	4.27	.08	
77	4.01	4.11	4.19	4.26	4.35	.77	4.39	.08	
78	4.12	4.22	4.31	4.37	4.47	.78	4.51	.09	
79	4.23	4.33	4.42	4.49	4.59	.79	4.63	.09	
80	4.34	4.45	4.54	4.61	4.71	.80	4.75	.09	
81	4.45	4.56	4.65	4.73	4.83	.81	4.87	.10	
82	4.57	4.68	4.77	4.85	4.95	.82	5.00	.10	
83	4.68	4.80	4.89	4.97	5.08	.83	5.13	.10	
84	4.80	4.92	5.02	5.10	5.20	.84	5.26	.10	
85	4.92	5.04	5.14	5.22	5.33	.85	5.39	.11	

D.B.H.	17	18	19	20	22	O.B.	15	10-30
(CM)						(CM)	CH	CM

HEIGHT ABOVE GROUND IN METRES

KARRI POLE VOLUME TABLE 1983

TOTAL HEIGHT = 30 METRES

VOLUMES ARE UNDERBARK, IN CUBIC METRES.

DBHOB FROM 20 TO 95CM

CROWN BREAK IS ESTIMATED TO BE 20 METRES.

HEIGHT ABOVE GROUND IN METRES																	D.B.H T.D.L STUMP									
D.B.H	0.1	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6	7	8	9	10	11	12	13	14	15	16	O.B.	15	10-30		
(CM)																						(CM)	CM	CH		
20	.02	.03	.04	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.24	.25	.00	
21	.02	.03	.04	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22	.23	.24	.25	.01	
22	.02	.03	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15	.17	.18	.20	.22	.23	.24	.25	.27	.28	.29	.30	.01	
23	.02	.04	.05	.06	.08	.09	.10	.11	.12	.13	.14	.15	.17	.19	.20	.22	.24	.25	.27	.29	.30	.31	.32	.33	.01	
24	.02	.05	.06	.07	.09	.10	.11	.12	.14	.16	.18	.20	.22	.24	.26	.28	.29	.31	.32	.33	.34	.35	.36	.37	.01	
25	.03	.04	.06	.08	.09	.11	.12	.14	.15	.18	.20	.22	.25	.27	.29	.32	.34	.35	.37	.39	.40	.42	.43	.44	.01	
26	.03	.05	.07	.09	.10	.12	.13	.15	.16	.19	.22	.24	.27	.29	.31	.33	.35	.37	.39	.40	.42	.44	.46	.47	.01	
27	.03	.05	.07	.09	.11	.13	.15	.16	.18	.21	.24	.27	.29	.32	.34	.36	.38	.40	.42	.44	.46	.48	.49	.50	.01	
28	.03	.06	.08	.10	.12	.14	.16	.18	.19	.23	.26	.29	.32	.34	.37	.39	.41	.43	.45	.47	.49	.51	.52	.53	.01	
29	.04	.06	.08	.11	.13	.15	.17	.19	.21	.24	.28	.31	.34	.37	.40	.42	.45	.47	.49	.51	.53	.55	.56	.57	.01	
30	.04	.07	.09	.12	.14	.16	.18	.20	.22	.25	.30	.33	.37	.40	.43	.46	.48	.51	.53	.55	.58	.60	.61	.62	.01	
31	.04	.07	.10	.12	.15	.17	.20	.22	.24	.28	.32	.36	.39	.43	.46	.49	.52	.55	.58	.61	.63	.66	.69	.72	.01	
32	.05	.08	.11	.13	.16	.19	.21	.23	.26	.30	.34	.38	.42	.46	.49	.52	.55	.58	.61	.64	.67	.70	.73	.76	.01	
33	.05	.08	.11	.14	.17	.20	.23	.25	.28	.32	.37	.41	.45	.49	.53	.56	.59	.62	.65	.67	.70	.73	.76	.78	.01	
34	.05	.09	.12	.15	.18	.21	.24	.27	.29	.34	.39	.44	.48	.52	.56	.60	.63	.66	.69	.72	.74	.77	.80	.83	.02	
35	.05	.09	.13	.16	.19	.23	.26	.28	.31	.33	.42	.47	.51	.56	.60	.64	.67	.71	.74	.76	.78	.81	.83	.85	.02	
36	.06	.10	.14	.17	.21	.24	.27	.30	.33	.35	.44	.50	.54	.59	.63	.67	.71	.74	.77	.80	.83	.86	.87	.88	.02	
37	.06	.10	.14	.16	.18	.22	.25	.29	.32	.35	.41	.47	.53	.58	.63	.67	.72	.76	.79	.83	.86	.89	.91	.92	.02	
38	.07	.11	.15	.19	.23	.27	.30	.34	.37	.44	.50	.56	.61	.66	.71	.76	.80	.84	.88	.91	.93	.96	.98	.99	.02	
39	.07	.12	.16	.20	.24	.28	.32	.36	.39	.46	.53	.59	.65	.70	.75	.80	.85	.89	.93	.96	.98	.99	.02			
40	.07	.12	.17	.21	.26	.30	.34	.38	.42	.48	.56	.62	.68	.74	.79	.85	.89	.94	.98	.102	.106	.110	.114	.118	.02	
41	.08	.13	.18	.23	.27	.32	.36	.40	.44	.51	.59	.65	.72	.78	.84	.89	.94	.99	.103	.107	.111	.115	.119	.123	.02	
42	.08	.13	.19	.24	.29	.33	.38	.42	.46	.54	.62	.69	.76	.82	.88	.94	.99	.104	.109	.113	.117	.121	.125	.129	.02	
43	.09	.15	.20	.25	.30	.35	.38	.40	.44	.51	.57	.65	.72	.79	.86	.93	.99	.104	.109	.114	.119	.123	.127	.131	.03	
44	.09	.15	.21	.26	.32	.37	.42	.46	.51	.56	.68	.75	.83	.90	.97	.103	.109	.115	.120	.125	.130	.135	.140	.145	.03	
45	.09	.16	.22	.28	.33	.38	.44	.49	.53	.59	.63	.71	.78	.85	.92	.98	.104	.110	.116	.122	.128	.134	.140	.146	.152	.03
46	.10	.16	.23	.29	.35	.40	.46	.51	.56	.61	.66	.75	.82	.89	.95	.102	.108	.114	.120	.126	.132	.138	.144	.150	.156	.03
47	.10	.17	.24	.30	.36	.42	.48	.53	.59	.65	.72	.80	.87	.94	.101	.108	.114	.120	.126	.132	.138	.144	.150	.156	.03	
48	.11	.18	.25	.32	.38	.44	.50	.56	.61	.67	.73	.82	.89	.96	.103	.110	.117	.124	.131	.138	.144	.150	.156	.162	.03	
49	.11	.19	.26	.33	.39	.45	.52	.58	.64	.70	.76	.85	.92	.99	.106	.113	.120	.127	.134	.141	.148	.154	.161	.168	.03	
50	.12	.20	.27	.34	.41	.48	.54	.61	.67	.73	.80	.89	.96	.103	.110	.117	.124	.131	.138	.145	.152	.159	.166	.173	.04	
51	.12	.20	.28	.36	.43	.50	.57	.63	.70	.77	.84	.91	.98	.105	.112	.119	.126	.133	.140	.147	.154	.161	.168	.175	.04	
52	.13	.21	.30	.37	.45	.52	.59	.66	.72	.78	.85	.92	.99	.106	.113	.120	.127	.134	.141	.148	.155	.162	.169	.176	.04	
53	.13	.21	.31	.39	.47	.54	.62	.69	.75	.82	.89	.96	.103	.110	.117	.124	.131	.138	.145	.152	.159	.166	.173	.04		
54	.14	.23	.32	.40	.48	.55	.64	.71	.78	.85	.92	.99	.106	.113	.120	.127	.134	.141	.148	.155	.162	.169	.176	.04		
55	.14	.24	.33	.42	.51	.59	.67	.74	.82	.89	.96	.103	.110	.117	.124	.131	.138	.145	.152	.159	.166	.173	.180	.04		
56	.15	.25	.34	.42	.51	.61	.69	.77	.85	.92	.99	.106	.113	.120	.127	.134	.141	.148	.155	.162	.169	.176	.183	.04		
57	.15	.26	.36	.45	.54	.63	.72	.80	.88	.96	.103	.110	.117	.124	.131	.138	.145	.152	.159	.166	.173	.180	.187	.05		
58	.16	.27	.37	.47	.56	.65	.74	.82	.90	.98	.105	.112	.120	.127	.134	.141	.148	.155	.162	.169	.176	.183	.190	.05		
59	.17	.28	.38	.48	.57	.66	.75	.83	.91	.99	.106	.113	.120	.127	.134	.141	.148	.155	.162	.169	.176	.183	.190	.05		
60	.17	.29	.40	.50	.60	.71	.80	.89	.98	.115	.131	.146	.166	.186	.196	.216	.236	.256	.276	.296	.316	.336	.356	.05		
61	.18	.30	.41	.52	.63	.73	.83	.92	.101	.119	.135	.151	.166	.180	.193	.205	.217	.228	.240	.252	.264	.276	.288	.05		
62	.18	.31	.43	.54	.65	.75	.85	.95	.105	.123	.140	.156	.171	.186	.206	.226	.246	.266	.286	.306	.326	.346	.366	.06		
63	.19	.32	.44	.56	.67	.76	.88	.98	.108	.127	.145	.162	.179	.196	.213	.233	.253	.273	.293	.313	.333	.353	.373	.06		
64	.20	.33	.46	.58	.69	.80	.91	.102	.112	.131	.149	.167	.184	.201	.218	.235	.252	.270	.287	.304	.321	.338	.355	.372	.06	
65	.20	.34	.47	.60	.72	.83	.94	.105	.115	.135	.154	.172	.190	.209	.227	.245	.263	.281	.299	.317	.335	.353	.371	.389	.06	
66	.21	.35	.49	.61	.73	.85	.97	.108	.119	.140	.159	.178	.195	.212	.230	.248	.265	.282	.299	.317	.335	.353	.371	.389	.06	
67	.22	.36	.50	.63	.76	.89	.99	.109	.122	.132	.144	.164	.183	.203	.221	.241	.260	.278	.297	.317	.337	.357	.377	.397	.07	
68	.22	.37	.52	.65	.79	.91	.104	.115	.127	.149	.169	.189	.208	.228	.248	.268	.287	.307	.327	.347	.367	.387	.407	.427	.07	
69	.23	.38	.53	.67	.81	.94	.107	.119	.131	.153	.175	.195	.214	.234	.253	.272	.291	.310	.329	.349	.369	.389	.409	.429	.07	
70	.24	.40	.55	.68	.83	.97	.101	.123	.135	.158	.179	.196	.212	.232	.252	.272	.292	.312	.332	.352	.372	.392	.412	.432	.07	
71	.24	.46	.56	.72	.86	.100	.133	.160	.186	.213	.245	.275	.302	.332	.362	.392	.422	.452	.482	.512	.542	.572	.602	.632	.07	
72	.25	.48	.58	.74	.87	.104	.137	.171	.201	.231	.265	.295	.325	.355	.385	.415	.445	.475	.505	.535	.565	.595	.625	.655	.08	
73	.26	.49	.60	.76	.91	.106	.140	.171	.201	.231	.262	.292	.322	.352	.382	.412	.442	.472	.502	.532	.562	.592	.622	.652	.08	
74	.27	.51	.62	.78	.94	.109	.133	.172	.207	.231	.267	.292	.327	.357	.387	.417	.447	.477	.507	.537	.567	.597	.627	.657	.08	
75	.27	.52	.63	.78	.94	.113	.143	.179	.214	.243	.274	.304	.334	.364	.394	.424	.454	.484	.514	.544	.574	.604	.634	.664	.08	
76	.28	.54	.65	.82	.99	.113	.145	.180	.211	.242	.273	.303	.333	.363	.393	.423	.453	.483	.513	.543	.573	.603	.633	.663	.08	
77	.29	.56	.67	.85	.99	.121	.154	.186	.21																	