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VOLUME TABLE

MARRI



1976

VOLUME TABLE — MARRI 1976

Volumes underbark in cubic metres

D.B.H. O.B. cm	Bole height in metres											Bole height in metres									Nominal stump metres	D.B.H. O.B. cm
	1	2	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34		
10	0·00	0·01	0·01	0·01	0·01	0·01	0·02	0·02	0·02	0·03	0·03	0·03	0·03	0·04	0·04	0·04	0·04	0·04	0·04	0·05	0·25	10
12	0·00	0·01	0·02	0·02	0·02	0·02	0·03	0·03	0·04	0·04	0·04	0·05	0·05	0·05	0·06	0·06	0·06	0·07	0·07	0·07	0·25	12
14	0·01	0·02	0·02	0·03	0·03	0·03	0·04	0·05	0·05	0·06	0·06	0·07	0·07	0·08	0·08	0·09	0·09	0·09	0·10	0·10	0·25	14
16	0·01	0·02	0·03	0·04	0·04	0·05	0·06	0·07	0·07	0·08	0·09	0·10	0·10	0·11	0·11	0·12	0·13	0·13	0·14	0·14	0·25	16
18	0·01	0·03	0·04	0·05	0·06	0·06	0·08	0·09	0·10	0·11	0·12	0·13	0·14	0·14	0·15	0·16	0·17	0·18	0·18	0·19	0·25	18
20	0·02	0·04	0·05	0·06	0·07	0·08	0·10	0·11	0·13	0·14	0·15	0·16	0·18	0·19	0·20	0·21	0·22	0·23	0·24	0·25	0·25	20
22	0·02	0·05	0·07	0·08	0·09	0·10	0·12	0·14	0·16	0·18	0·19	0·21	0·22	0·24	0·25	0·26	0·28	0·29	0·30	0·31	0·25	22
24	0·02	0·06	0·08	0·10	0·11	0·13	0·15	0·18	0·20	0·22	0·24	0·26	0·27	0·29	0·31	0·32	0·34	0·36	0·37	0·39	0·25	24
26	0·03	0·07	0·10	0·12	0·14	0·16	0·19	0·21	0·24	0·27	0·29	0·31	0·33	0·36	0·38	0·40	0·41	0·43	0·45	0·47	0·25	26
28	0·04	0·09	0·12	0·14	0·17	0·19	0·22	0·26	0·29	0·32	0·35	0·37	0·40	0·43	0·45	0·47	0·50	0·52	0·54	0·56	0·25	28
30	0·0	0·1	0·1	0·2	0·2	0·2	0·3	0·3	0·3	0·4	0·4	0·4	0·5	0·5	0·5	0·6	0·6	0·6	0·6	0·7	0·30	30
32	0·0	0·1	0·2	0·2	0·2	0·3	0·3	0·4	0·4	0·4	0·5	0·5	0·6	0·6	0·6	0·7	0·7	0·7	0·8	0·8	0·30	32
34	0·1	0·1	0·2	0·2	0·3	0·3	0·4	0·4	0·5	0·5	0·6	0·6	0·6	0·7	0·7	0·8	0·8	0·8	0·9	0·9	0·30	34
36	0·1	0·2	0·2	0·3	0·3	0·3	0·4	0·5	0·5	0·6	0·6	0·7	0·7	0·8	0·8	0·9	0·9	1·0	1·0	1·0	0·30	36
38	0·1	0·2	0·3	0·3	0·4	0·4	0·5	0·5	0·6	0·7	0·7	0·8	0·8	0·9	1·0	1·0	1·0	1·1	1·1	1·2	0·30	38
40	0·1	0·2	0·3	0·3	0·4	0·4	0·5	0·6	0·7	0·8	0·8	0·9	1·0	1·0	1·1	1·1	1·2	1·2	1·3	1·3	0·30	40
42	0·1	0·2	0·3	0·4	0·4	0·5	0·6	0·7	0·8	0·9	0·9	1·0	1·1	1·2	1·2	1·3	1·3	1·4	1·5	1·5	0·30	42
44	0·2	0·3	0·4	0·4	0·5	0·6	0·7	0·8	0·9	1·0	1·1	1·1	1·2	1·3	1·4	1·4	1·5	1·6	1·6	1·7	0·30	44
46	0·2	0·3	0·4	0·5	0·6	0·6	0·8	0·9	1·0	1·1	1·2	1·3	1·4	1·4	1·5	1·6	1·7	1·8	1·8	1·9	0·30	46
48	0·2	0·3	0·4	0·5	0·6	0·7	0·8	1·0	1·1	1·2	1·3	1·4	1·5	1·6	1·7	1·8	1·9	1·9	2·0	2·1	0·30	48
50	0·2	0·4	0·5	0·6	0·7	0·8	0·9	1·1	1·2	1·3	1·4	1·6	1·7	1·8	1·9	2·0	2·1	2·1	2·2	2·3	0·35	50
52	0·2	0·4	0·5	0·7	0·8	0·8	1·0	1·2	1·3	1·5	1·6	1·7	1·8	1·9	2·1	2·2	2·3	2·4	2·5	2·6	0·35	52
54	0·2	0·4	0·6	0·7	0·9	1·0	1·3	1·5	1·7	1·8	1·9	2·0	2·1	2·2	2·2	2·3	2·4	2·5	2·6	2·7	0·35	54
56	0·2	0·5	0·6	0·8	0·9	1·1	1·4	1·6	1·8	2·0	2·1	2·3	2·4	2·4	2·5	2·6	2·6	2·7	2·8	2·9	0·35	56
58	0·2	0·5	0·7	0·9	1·0	1·2	1·5	1·7	2·0	2·2	2·3	2·5	2·6	2·7	2·8	2·8	2·9	3·0	3·1	3·2	0·35	58
60	0·2	0·5	0·7	0·9	1·1	1·3	1·6	1·9	2·1	2·3	2·5	2·7	2·9	3·0	3·1	3·2	3·2	3·3	3·4	3·5	0·35	60
62	0·2	0·6	0·8	1·0	1·2	1·4	1·7	2·0	2·3	2·5	2·8	3·0	3·1	3·3	3·4	3·5	3·5	3·6	3·7	3·8	0·35	62
64	0·3	0·6	0·9	1·1	1·3	1·5	1·8	2·2	2·5	2·7	3·0	3·2	3·4	3·6	3·7	3·8	3·9	3·9	4·0	4·1	0·35	64
66	0·3	0·6	0·9	1·1	1·3	1·6	1·9	2·3	2·6	2·9	3·2	3·5	3·7	3·9	4·0	4·2	4·3	4·3	4·4	4·4	0·35	66
68	0·3	0·7	1·0	1·2	1·4	1·7	2·1	2·5	2·8	3·2	3·5	3·7	4·0	4·2	4·4	4·5	4·6	4·7	4·8	4·8	0·35	68
70	0·3	0·7	1·0	1·3	1·5	1·8	2·2	2·6	3·0	3·4	3·7	4·0	4·3	4·5	4·7	4·9	5·0	5·2	5·2	5·3	0·40	70
72	0·3	0·7	1·1	1·4	1·6	1·9	2·3	2·8	3·2	3·6	3·9	4·3	4·6	4·8	5·1	5·3	5·4	5·6	5·7	5·8	0·40	72
74	0·3	0·8	1·2	1·4	1·7	2·0	2·5	3·0	3·4	3·8	4·2	4·6	4·9	5·2	5·4	5·7	5·9	6·0	6·2	6·3	0·40	74
76	0·3	0·8	1·2	1·5	1·8	2·1	2·6	3·1	3·6	4·0	4·5	4·8	5·2	5·5	5·8	6·1	6·3	6·5	6·6	6·8	0·40	76
78	0·3	0·8	1·3	1·6	1·9	2·2	2·8	3·3	3·8	4·3	4·7	5·1	5·5	5·9	6·2	6·5	6·7	6·9	7·1	7·3	0·40	78
80	0·3	0·9	1·4	1·7	2·0	2·3	2·9	3·5	4·0	4·5	5·0	5·4	5·9	6·2	6·6	6·9	7·2	7·4	7·6	7·8	0·40	80
82	0·4	0·9	1·4	1·8	2·1	2·4	3·1	3·7	4·2	4·8	5·3	5·8	6·2	6·6	7·0	7·3	7·6	7·9	8·1	8·3	0·40	82
84	0·4	1·0	1·5	1·9	2·2	2·6	3·2	3·9	4·5	5·0	5·6	6·1	6·5	7·0	7·4	7·7	8·1	8·4	8·6	8·9	0·40	84
86	0·4	1·0	1·6	2·0	2·3	2·7	3·4	4·1	4·7	5·3	5·9	6·4	6·9	7·4	7·8	8·2	8·5	8·9	9·2	9·4	0·40	86
88	0·4	1·1	1·7	2·1	2·4	2·8	3·6	4·3	4·9	5·6	6·2	6·7	7·2	7·7	8·2	8·6	9·0	9·4	9·7	10·0	0·40	88
90	0·4	1·1	1·7	2·1	2·6	3·0	3·7	4·5	5·2	5·8	6·5	7·1	7·6	8·1	8·6	9·1	9·5	9·9	10·2	10·5	0·45	90
92	0·4	1·2	1·8	2·2	2·7	3·1	3·9	4·7	5·4	6·1	6·8	7·4	8·0	8·5	9·1	9·5	10·0	10·4	10·8	11·1	0·45	92
94	0·4	1·2	1·9	2·3	2·8	3·2	4·1	4·9	5·7	6·4	7·1	7·7	8·4	9·0	9·5	10·0	10·5	10·9	11·3	11·7	0·45	94
96	0·5	1·3	2·0	2·5	2·9	3·4	4·3	5·1	5·9	6·7	7·4	8·1	8·8	9·4	9·9	10·5	11·0	11·5	11·9	12·3	0·45	96
98	0·5	1·3	2·1	2·6	3·0	3·5	4·4	5·3	6·2	7·0	7·7	8·5	9·1	9·8	10·4	11·0	11·5	12·0	12·5	12·9	0·45	98
100	0·5	1·4	2·1	2·7	3·2	3·7	4·6	5·5	6·4	7·3	8·1	8·8	9·5	10·2	10·9	11·5	12·0	12·5	13·0	13·5	0·50	100
102	0·5	1·4	2·2	2·8	3·3	3·8	4·8	5·8	6·7	7·6	8·4	9·2	9·9	10·7	11·3	12·0	12·6	13·1	13·6	14·1	0·50	102
104	0·5	1·5	2·3	2·9	3·4	4·0	5·0	6·0	7·0	7·9	8·7	9·6	10·4	11·1	11·8	12·5	13·1	13·7	14·2	14·7	0·50	104
106	0·6	1·5	2·4	3·0	3·6	4·1	5·2	6·2	7·2	8·2	9·1	9·9	10·8	11·5	12·3	13·0	13·6	14·2	14·8	15·3	0·50	106
108	0·6	1·6	2·5	3·1	3·7	4·3	5·4	6·5	7·5	8·5	9·4	10·3	11·2	12·0	12·8	13·5	14·2	14·8	15·4	15·9	0·50	108
D.B.H. O.B.	1	2	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	Nominal stump	D.B.H. O.B.

VOLUME TABLE — MARRI 1976

Volumes underbark in cubic metres

D.B.H. O.B. cm	Bole height in metres										
	1	2	3	4	5	6	8	10	12	14	16
110	0.6	1.7	2.6	3.2	3.8	4.4	5.6	6.7	7.8	8.8	9.8
112	0.6	1.8	2.7	3.3	4.0	4.6	5.8	7.0	8.1	9.1	10.2
114	0.7	1.9	2.8	3.5	4.1	4.8	6.0	7.2	8.4	9.5	10.5
116	0.7	2.0	2.9	3.6	4.3	4.9	6.2	7.5	8.7	9.8	10.9
118	0.7	2.0	3.0	3.7	4.4	5.1	6.4	7.7	9.0	10.1	11.3
120	0.8	2.1	3.1	3.8	4.6	5.3	6.7	8.0	9.3	10.5	11.6
122	0.8	2.2	3.2	4.0	4.7	5.5	6.9	8.3	9.6	10.8	12.0
124	0.8	2.2	3.3	4.1	4.9	5.6	7.1	8.5	9.9	11.2	12.4
126	0.8	2.3	3.4	4.2	5.0	5.8	7.3	8.8	10.2	11.5	12.8
128	0.9	2.4	3.5	4.4	5.2	6.0	7.6	9.1	10.5	11.9	13.2
130	0.9	2.5	3.6	4.5	5.4	6.2	7.8	9.3	10.8	12.3	13.6
132	0.9	2.6	3.8	4.6	5.5	6.4	8.0	9.6	11.2	12.6	14.0
134	1.0	2.7	3.9	4.8	5.7	6.6	8.3	9.9	11.5	13.0	14.4
136	1.0	2.7	4.0	4.9	5.9	6.8	8.5	10.2	11.8	13.4	14.8
138	1.0	2.8	4.1	5.1	6.0	7.0	8.8	10.5	12.2	13.7	15.3
140	1.0	2.8	4.2	5.2	6.2	7.2	9.0	10.8	12.5	14.1	15.7
142	1.1	2.9	4.4	5.4	6.4	7.4	9.3	11.1	12.8	14.5	16.1
144	1.1	3.0	4.5	5.5	6.6	7.6	9.5	11.4	13.2	14.9	16.5
146	1.1	3.1	4.6	5.7	6.7	7.8	9.8	11.7	13.5	15.0	17.0
148	1.2	3.2	4.7	5.8	6.9	8.0	10.0	12.0	13.9	15.7	17.4
150	1.2	3.2	4.9	6.0	7.1	8.2	10.3	12.3	14.3	16.1	17.8
152	1.2	3.3	5.0	6.1	7.3	8.4	10.6	12.6	14.6	16.5	18.3
154	1.3	3.4	5.1	6.3	7.5	8.6	10.8	13.0	15.0	16.9	18.7
156	1.3	3.4	5.2	6.5	7.7	8.8	11.1	13.3	15.3	17.3	19.2
158	1.3	3.5	5.4	6.6	7.9	9.1	11.4	13.6	15.7	17.7	19.6
160	1.4	3.6	5.5	6.8	8.1	9.3	11.7	13.9	16.1	18.1	20.1
162	1.4	3.7	5.7	7.0	8.3	9.5	11.9	14.3	16.5	18.5	20.5
164	1.4	3.8	5.8	7.1	8.5	9.7	12.2	14.6	16.8	19.0	21.0
166	1.5	3.9	5.9	7.3	8.7	10.0	12.5	14.9	17.2	19.4	21.4
168	1.5	3.9	6.1	7.5	8.9	10.2	12.8	15.3	17.6	19.8	21.9
170	1.6	4.0	6.2	7.7	9.1	10.4	13.1	15.6	18.0	20.2	22.3
172	1.6	4.1	6.4	7.8	9.3	10.7	13.4	15.9	18.4	20.6	22.8
174	1.7	4.2	6.5	8.0	9.5	10.9	13.7	16.3	18.8	21.1	23.2
176	1.8	4.3	6.7	8.2	9.7	11.2	14.0	16.6	19.2	21.5	23.7
178	1.8	4.4	6.8	8.4	9.9	11.4	14.3	17.0	19.5	21.9	24.2
180	1.9	4.5	7.0	8.6	10.1	11.7	14.6	17.3	19.9	22.4	24.6
182	2.0	4.6	7.1	8.8	10.4	11.9	14.9	17.7	20.3	22.8	25.1
184	2.0	4.7	7.3	8.9	10.6	12.2	15.2	18.1	20.7	23.2	25.6
186	2.1	4.9	7.4	9.1	10.8	12.4	15.5	18.4	21.1	23.7	26.0
188	2.2	5.0	7.6	9.3	11.0	12.7	15.8	18.8	21.5	24.1	26.5
190	2.2	5.1	7.7	9.5	11.2	12.9	16.1	19.1	21.9	24.6	27.0
192	2.3	5.2	7.9	9.7	11.5	13.2	16.4	19.5	22.4	25.0	27.4
194	2.3	5.3	8.1	9.9	11.7	13.4	16.8	19.9	22.8	25.4	27.9
196	2.4	5.4	8.2	10.1	11.9	13.7	17.1	20.2	23.2	25.9	28.4
198	2.5	5.5	8.4	10.3	12.2	14.0	17.4	20.6	23.6	26.3	28.8
200	2.5	5.6	8.6	10.5	12.4	14.2	17.7	21.0	24.0	26.8	29.3
D.B.H. O.B. cm	Bole height in metres										
	1	2	3	4	5	6	8	10	12	14	16

Bole height in metres									Nominal stump metres	D.B.H. O.B. cm
18	20	22	24	26	28	30	32	34		
10.7	11.6	12.5	13.3	14.0	14.7	15.4	16.0	16.5	0.55	110
11.1	12.0	12.9	13.7	14.5	15.3	15.9	16.6	17.2	0.55	112
11.5	12.5	13.4	14.2	15.1	15.8	16.5	17.2	17.8	0.55	114
11.9	12.9	13.9	14.8	15.6	16.4	17.1	17.8	18.4	0.55	116
12.3	13.4	14.3	15.3	16.1	16.9	17.7	18.4	19.1	0.55	118
12.8	13.8	14.8	15.8	16.7	17.5	18.3	19.0	19.7	0.60	120
13.2	14.3	15.3	16.3	17.2	18.1	18.9	19.7	20.4	0.60	122
13.6	14.7	15.8	16.8	17.8	18.7	19.5	20.3	21.0	0.60	124
14.0	15.2	16.3	17.3	18.3	19.2	20.1	20.9	21.7	0.60	126
14.5	15.7	16.8	17.9	18.9	19.8	20.7	21.5	22.3	0.60	128
14.9	16.1	17.3	18.4	19.4	20.4	21.3	22.2	23.0	0.65	130
15.3	16.6	17.8	18.9	20.0	21.0	21.9	22.8	23.6	0.65	132
15.8	17.1	18.3	19.5	20.6	21.6	22.5	23.4	24.2	0.65	134
16.2	17.6	18.8	20.0	21.1	22.2	23.2	24.1	24.9	0.65	136
16.7	18.1	19.3	20.6	21.7	22.8	23.8	24.7	25.5	0.65	138
17.2	18.5	19.9	21.1	22.3	23.4	24.4	25.3	26.2	0.70	140
17.6	19.0	20.4	21.7	22.8	24.0	25.0	25.9	26.8	0.70	142
18.1	19.5	20.9	22.2	23.4	24.6	25.6	26.6	27.4	0.70	144
18.5	20.0	21.4	22.8	24.0	25.1	26.2	27.2	28.1	0.70	146
19.0	20.5	22.0	23.3	24.6	25.7	26.8	27.8	28.7	0.70	148
19.5	21.0	22.5	23.9	25.1	26.3	27.4	28.4	29.3	0.70	150
20.0	21.5	23.0	24.4	25.7	26.9	28.0	29.0	29.9	0.70	152
20.4	22.0	23.6	25.0	26.3	27.5	28.6	29.6	30.5	0.70	154
20.9	22.5	24.1	25.5	26.9	28.1	29.2	30.2	31.2	0.70	156
21.4	23.1	24.6	26.1	27.4	28.7	29.8	30.8	31.7	0.70	158
21.9	23.6	25.2	26.6	28.0	29.3	30.4	31.4	32.3	0.70	160
22.3	24.1	25.7	27.2	28.6	29.8	31.0	32.0	32.9	0.70	162
22.8	24.6	26.2	27.7	29.1	30.4	31.6	32.6	33.5	0.70	164
23.3	25.1	26.8	28.3	29.7	31.0	32.1	33.2	34.1	0.70	166
23.8	25.6	27.3	28.8	30.3	31.5	32.7	33.7	34.6	0.70	168
24.3	26.1	27.8	29.4	30.8	32.1	33.3	34.3	35.1	0.70	170
24.8	26.6	28.4	29.9	31.4	32.7	33.8	34.8	35.7	0.70	172
25.3	27.2	28.9	30.5	31.9	33.2	34.3	35.3	36.2	0.70	174
25.8	27.7	29.4	31.0	32.5	33.7	34.9	35.9	36.7	0.70	176
26.3	28.2	29.9	31.5	33.0	34.3	35.4	36.4	37.2	0.70	178
26.7	28.7	30.5	32.1	33.5	34.8	35.9	36.9	37.7	0.70	180
27.2	29.2	31.0	32.6	34.1	35.3	36.4	37.4	38.1	0.70	182
27.7	29.7	31.5	33.1	34.6	35.8	36.9	37.9	38.6	0.70	184
28.2	30.2	32.0	33.6	35.1	36.4	37.4	38.3	39.0	0.70	186
28.7	30.7	32.5	34.2	35.6	36.8	37.9	38.8	39.5	0.70	188
29.2	31.2	33.0	34.7	36.1	37.3	38.4	39.2	39.9	0.70	190
29.7	31.7	33.5	35.2	36.6	37.8	38.8	39.6	40.2	0.70	192
30.2	32.2	34.0	35.7	37.1	38.3	39.3	40.0	40.6	0.70	194
30.7	32.7	34.5	36.2	37.6	38.7	39.7	40.4	41.0	0.70	196
31.1	33.2	35.0	36.6	38.0	39.2	40.1	40.8	41.3	0.70	198
31.6	33.7	35.5	37.1	38.5	39.6	40.5	41.2	41.6	0.70	200
Bole height in metres									Nominal stump metres	D.B.H. O.B. cm
18	20	22	24	26	28	30	32	34		

HOW TO USE THIS TABLE

Note that this table contains an allowance for the volume of the stump height nominated, so that all volumes are "above the stump".

1. When the bottom of the log is approximately at nominal stump height:
 - 1.1. Measure D.B.H.O.B. to nearest centimetre.
 - 1.2. Estimate bole height from ground to top of log and read volume from the table.
2. When the bottom of the log is above nominal stump height:
 - 2.1. Measure D.B.H.O.B. to nearest centimetre.
 - 2.2. Estimate bole height from ground to top of log and read volume.
 - 2.3. Estimate bole height from ground to bottom of log and read volume.
 - 2.4. Subtract volume 2.3 from volume 2.2.
3. Interpolate volumes carefully when heights or diameters are in between those shown in the table. For consistency when the volume is between an even and uneven volume use the even figure.
4. For trees too large for these tables, extrapolate carefully.

D.B.H.O.B. = Diameter breast height over bark

GIRTH-DIAMETER CONVERSION TABLE

It is Forests Department policy to measure in diameter rather than girth. This table is provided for the rare occasions when an officer has a length tape only.

Girth cm	Diameter cm	Girth cm	Diameter cm	Girth cm	Diameter cm
1	0.3	10	3.2	100	31.8
2	0.6	20	6.4	200	63.7
3	1.0	30	9.5	300	95.5
4	1.3	40	12.7	400	127.3
5	1.6	50	15.9	500	159.2
6	1.9	60	19.1	600	191.0
7	2.2	70	22.3	700	222.8
8	2.5	80	25.5	800	254.6
9	2.9	90	28.6	900	286.5
				1000	318.3

Conversion factor: 1 cm girth = 0.31831 cm diameter