

8.43 Loddon Tree Health

Lexton North reserve

Quadrat and Tree Number	Species	Tree dbh (m)	Crown Size (/5)	Crown Density (/5)	Dead Branches (/5)	Epicormic Growth (/5)	Leaf Damage (%)	Leaf Chloride (mg/kg)	% Cl	Tree Health Total Score (/20)					
										97	98	99	00	01	02
A															
082	E. leucoxylo (Yellow Gum)	0.566	4	3.5	4	1.5	NS	NS	NS	15.5	12	14	12.5	16	13
162	E. leucoxylo (Yellow Gum)	0.752	4	4	4	4	NS	NS	NS	13	9.5	12	13.5	15	16
088	E. goniocalyx (Long leaf Box)	0.517	5	2.5	2	2	30 epicormic	1.14	0.11	11.5	8.5	8.5	9.5	10	11.5
116	E. leucoxylo (Yellow Gum)	0.262	2	3.5	3.5	3.5	NS	NS	NS	12	12	12.5	13	12	12.5
B															
090	E. goniocalyx (Long leaf Box)	0.313	3.5	2.5	4.5	2	10	1.48	0.15	14.5	13.5	13	13.5	15	12.5
047	E. goniocalyx (Long leaf Box)	0.542	3.5	2.5	4	4	NS	NS	NS	15	12	14	14.5	15	14
042	E. leucoxylo (Yellow Gum)	0.535	4.5	4	4.5	2	NS	NS	NS	15	13	14.5	14.5	18	16
122	E. leucoxylo (Yellow Gum)	0.621	5	4	3.5	4.5	NS	NS	NS	17	14.5	16.5	17	18	17

Note that tree dbh, crown size, crown density, dead branches, epicormic growth, leaf damage, leaf chloride and % Cl scores apply to those recorded in 2002.

NS: Trees with branches >5m tall could not be sampled as were out of reach from pole pruners

Merin Merin Swamp

Quadrat and Tree Number	Species	Tree dbh (m)	Crown Size (/5)	Crown Density (/5)	Dead Branches (/5)	Epicormic Growth (/5)	Leaf Damage (%)	Leaf Chloride (mg/kg)	% Cl	Tree Health Total Score (/20)					
										97	98	99	00	01	02
A															
159	E. camaldulensis (River red gum)	0.673	5	4	3	3	30 epicormic	2.61	0.26	15.5	12	13.5	15	14	15
144	E. camaldulensis (River red gum)	0.520	3.5	4	2	3	20 epicormic	2.24	0.22	13	11.5	12.5	13	13	12.5
169	E. camaldulensis (River red gum)	0.971	4	3	2.5	5	30 epicormic	3.18	0.32	11	12.5	12.5	13	14	14.5
118	E. camaldulensis (River red gum)	1.01	4.5	2.5	3.5	3.5	NS	NS	NS	11	12.5	13.5	13	13	14.5
B															
163	E. camaldulensis (River red gum)	2.00	4	4	3	4	NS	NS	NS	11.5	11	12	14	13	15
095	E. camaldulensis (River red gum)	0.126	4	4.5	4.5	3	80	3.11	0.31	19.5	17	17	17	17	18
058	E. camaldulensis (River red gum)	0.320	4.5	5	5	3	80	2.27	0.23	19	17.5	17.5	18.5	17	17.5
150	E. camaldulensis (River red gum)	0.236	4	4	3	2.5	80	2.29	0.23	18	15	16.5	17	16	13.5
C															
028	E. camaldulensis (River red gum)	1.88	5	4	4	3.5	70	0.976	0.10	16	12.5	14	13	14	16.5
039	E. camaldulensis (River red gum)	0.918	4	3	4	3.5	40 epicormic	2.10	0.21	16.5	14.5	15	14.5	16	14.5
083	E. camaldulensis (River red gum)	0.903	4.5	2	3	1	NS	NS	NS	16.5	13	15	15.5	13	10.5
160	E. camaldulensis (River red gum)	0.944	5	3	4	4	NS	NS	NS	13.5	14	14	14	15	16

Note that tree dbh, crown size, crown density, dead branches, epicormic growth, leaf damage, leaf chloride and % Cl scores apply to those recorded in 2002.

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Jennings Bushland reserve

Quadrat and Tree Number	Species	Tree dbh (m)	Crown Size (/5)	Crown Density (/5)	Dead Branches (/5)	Epicormic Growth (/5)	Leaf Damage (%)	Leaf Chloride (mg/kg)	% Cl	Tree Health Total Score (/20)					
										97	98	99	00	01	02
A															
085	E. leucoxyton (Yellow Gum)	0.360	2	2.5	1	5	NS	NS	NS	13.0	13.5	13	13.5	11	10.5
094	E. microcarpa (Grey Box)	0.317	2	2	2	2	50	4.28	0.43	9.5	11	10	12	9	8
001	E. leucoxyton (Yellow Gum)	0.364	2	3	4	5	NS	NS	NS	15.0	14	15.5	14.5	16	14
167	E. microcarpa (Grey Box)	0.281	3.5	2.5	2	5	NS	NS	NS	16.5	13.5	12.5	14	14	13
B															
180	E. microcarpa (Grey Box)	0.343	2	2.5	4.5	5	NS	NS	NS	16.5	15.5	17	16	16	14
115	E. leucoxyton (Yellow Gum)	0.552	3	2.5	3	5	NS	NS	NS	15.5	13	14	12.5	14	13.5
146	E. leucoxyton (Yellow Gum)	0.164	2	3	3.5	5	NS	NS	NS	14.5	14.5	15	13.5	17	13.5
1281	E. leucoxyton (Yellow Gum)	0.346	2	2	3	4.5	NS	NS	NS	11	10	8	14	14	11.5

Note that tree dbh, crown size, crown density, dead branches, epicormic growth, leaf damage, leaf chloride and % Cl scores apply to those recorded in 2002.

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Woodstock Bushland reserve

Quadrat and Tree Number	Species	Tree dbh (m)	Crown Size (/5)	Crown Density (/5)	Dead Branches (/5)	Epicormic Growth (/5)	Leaf Damage (%)	Leaf Chloride (mg/kg)	% Cl	Tree Health Total Score (/20)					
										97	98	99	00	01	02
A															
1261	E. albens (White Box)	1.47	5	3	2.5	3	NS	NS	NS	13	10	11.5	11	15	13.5
1262	E. albens (White Box)	0.781	5	5	4.5	4	30	5.09	0.51	12.5	13.5	13	13	19.5	18.5
1263	E. albens (White Box)	0.371	3.5	3.5	4.5	4	NS	NS	NS	14.5	14.5	17	17	16	15.5
059	E. albens (White Box)	0.726	5	4	3.5	3	NS	NS	NS	13	15.5	15	16	16.5	15.5
B															
1264	E. camaldulensis (River Red Gum)	0.561	3.5	3	2.5	3	NS	NS	NS	11	13	15.5	14.5	13.5	12
097	E. albens (White Box)	0.693	4	3.5	4	4	NS	NS	NS	11.5	11.5	11.5	13.5	13.5	15.5
048	E. camaldulensis (River Red Gum)	1.01	4.5	3	3	4	NS	NS	NS	14.5	14.5	16	15.5	17.5	14.5
061	E. camaldulensis (River Red Gum)	0.429	3.5	3	4	4	80 epicormic	1.05	0.10	11.5	12.5	13	14.5	18	14

Note that tree dbh, crown size, crown density, dead branches, epicormic growth, leaf damage, leaf chloride and % Cl scores apply to those recorded in 2002.

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Tang Tang Swamp

Quadrat and Tree Number	Species	Tree dbh (m)	Crown Size (/5)	Crown Density (/5)	Dead Branches (/5)	Epicormic Growth (/5)	Leaf Damage (%)	Leaf Chloride (mg/kg)	% Cl	Tree Health Total Score (/20)					
										97	98	99	00	01	02
B															
070	E. camaldulensis (River red gum)	0.726	1	0	1	1	40 epicormic	1.05	0.10	11	10	10	9.5	5	3
154	E. camaldulensis (River red gum)	0.594	2	2	2	1	20 epicormic	3.25	0.33	5.5	4	5.5	5	7	7
038	E. camaldulensis (River red gum)	1.03	4.5	3	3.5	2.5	20 epicormic	5.32	0.53	12	14.5	12.5	13	18	13.5
056	E. camaldulensis (River red gum)	1.63	3	1	2.5	1	90 epicormic	0.980	0.10	8.5	7	11	10.5	9	7.5
C															
119	E. camaldulensis (River red gum)	0.820	5	2	3	2	50 epicormic	2.10	0.21	13.5	10.5	13.5	13.5	13	12
170	E. camaldulensis (River red gum)	1.02	4	4	4	3.5	10 epicormic	1.87	0.19	10.5	12	13.5	12	18	15.5
096	E. camaldulensis (River red gum)	0.964	4	2	2.5	3	40 epicormic	1.42	0.14	13	10.5	14.5	14	16.5	11.5
043	E. camaldulensis (River red gum)	1.24	5	4	5	4	10 epicormic	3.49	0.35	14	12.5	15	11.5	19	18

Note that tree dbh, crown size, crown density, dead branches, epicormic growth, leaf damage, leaf chloride and % Cl scores apply to those recorded in 2002.

*Quadrat A is the treeless 'Plains grassland' EVC.