Shire of Peppermint Grove – Tree data information November 2024
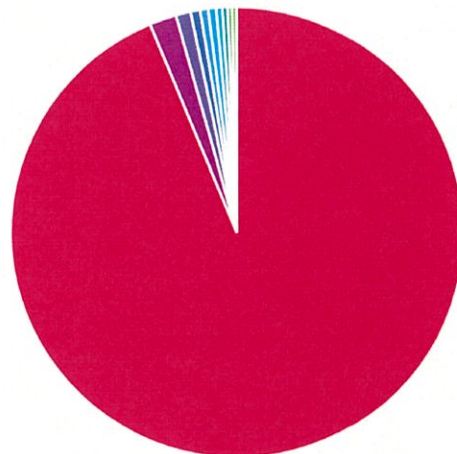
This information has been produced from the recent re-inspection of all Trees within the Shire of Peppermint Grove which was carried out between 16th of October 2024 – 22nd of November 2024.

Total number of trees audited	**1,725**
Total number of trees removed since previous inspection	**78 leaving 1,647 trees.**
Total number of *Agonis flexuosa*	**1,489 (90% of the total population).**

Most Common Species - Top 10

PIE   **BAR**   **TABULAR**

	Species	Percentage
■	WA Weepin...	93.7%
■	Tuart	2.0%
■	kings park ...	1.1%
■	Sunburst	0.7%
■	Dwarf Gho...	0.6%
■	Moreton Ba...	0.6%
■	Chinese Tal...	0.4%
■	Illawarra Fl...	0.4%
■	River Red...	0.3%
■	Lemon Sce...	0.3%

Most Common Species - Top 10

SHOW ALL VALUES

Common Name	Count	Percent
WA Weeping Peppermint	1489	93.71%
Tuart	31	1.95%
kings park special	17	1.07%
Sunburst	11	0.69%
Dwarf Ghost gum	9	0.57%
Moreton Bay Fig	9	0.57%
Chinese Tallow	7	0.44%
Illawarra Flame Tree	6	0.38%
River Red Gum	5	0.31%
Lemon Scented Gum	5	0.31%

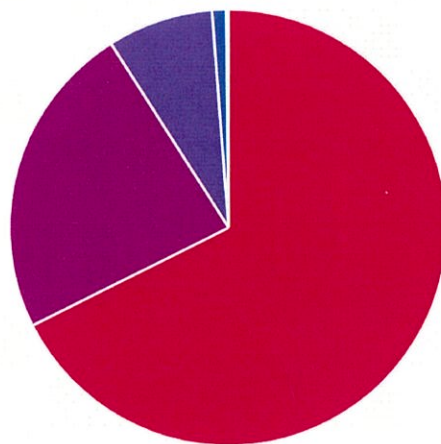1,113 Trees health comprises of predominantly Good health;

Trees by Health

SHOW ALL VALUES

Health	Count	Percent
Good	1113	67.62%
Fair	385	23.39%
Poor	128	7.78%
Very Poor	17	1.03%
Dead	2	0.12%
Not Specified	1	0.06%

Trees by Health

Good	67.6%
Fair	23.4%
Poor	7.8%
Very Poor	1.0%
Dead	0.1%
Not Specified	0.1%

Most Common Species by Health - Top 10

SHOW ALL VALUES

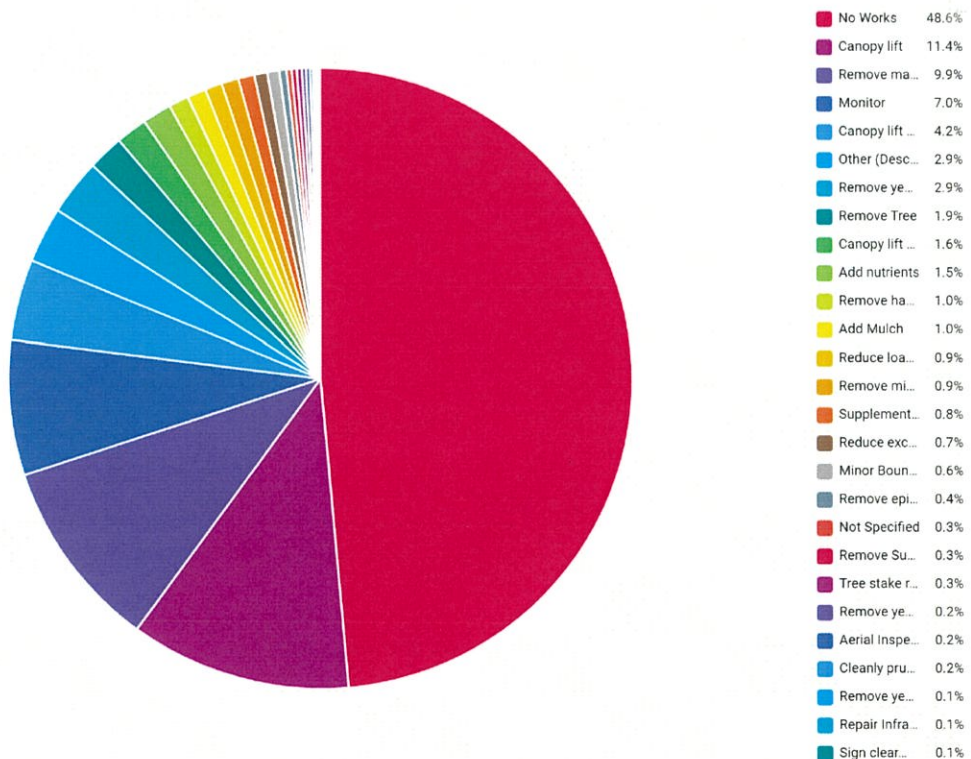| Common Name	Health	Count	Percent
WA Weeping Peppermint	Good	986	62.05%
WA Weeping Peppermint	Fair	364	22.91%
WA Weeping Peppermint	Poor	122	7.68%
Tuart	Good	29	1.83%
WA Weeping Peppermint	Very Poor	16	1.01%
kings park special	Good	13	0.82%
Dwarf Ghost gum	Good	9	0.57%
Sunburst	Good	7	0.44%
Chinese Tallow	Good	7	0.44%
Moreton Bay Fig	Good	5	0.31%
River Red Gum	Good	5	0.31%
Spotted Gum	Good	5	0.31%
Illawarra Flame Tree	Good	4	0.25%
kings park special	Fair	4	0.25%
Sunburst	Fair	3	0.19%
Tuart	Fair	2	0.13%
Moreton Bay Fig	Poor	2	0.13%
Illawarra Flame Tree	Fair	2	0.13%
WA Weeping Peppermint	Dead	1	0.06%
Moreton Bay Fig	Fair	1	0.06%
Sunburst	Poor	1	0.06%
Moreton Bay Fig	Very Poor	1	0.06%

Tree Pruning work

The most common works identified is removal of major deadwood and canopy lift pruning over footpaths.

Tree Work

No Works	48.6%
Canopy lift	11.4%
Remove ma...	9.9%
Monitor	7.0%
Canopy lift ...	4.2%
Other (Desc...	2.9%
Remove ye...	2.9%
Remove Tree	1.9%
Canopy lift ...	1.6%
Add nutrients	1.5%
Remove ha...	1.0%
Add Mulch	1.0%
Reduce loa...	0.9%
Remove mi...	0.9%
Supplement...	0.8%
Reduce exc...	0.7%
Minor Boun...	0.6%
Remove epi...	0.4%
Not Specified	0.3%
Remove Su...	0.3%
Tree stake r...	0.3%
Remove ye...	0.2%
Aerial Inspe...	0.2%
Cleanly pru...	0.2%
Remove ye...	0.1%
Repair Infra...	0.1%
Sign clear...	0.1%

Tree Work

SHOW ALL VALUES

Tree Work	Count	Percent
No Works	935	48.60%
Canopy lift	220	11.43%
Remove major deadwood	191	9.93%
Monitor	135	7.02%
Canopy lift roadway	81	4.21%
Other (Describe Below)	56	2.91%
Remove year 1	56	2.91%
Remove Tree	36	1.87%
Canopy lift footpath	31	1.61%
Add nutrients	29	1.51%
Remove hanger	20	1.04%
Add Mulch	19	0.99%
Reduce loading over road	17	0.88%
Remove minor deadwood	17	0.88%
Supplementary watering	16	0.83%
Reduce excessive limb loading	13	0.68%
Minor Boundary Prune	12	0.62%
Remove epicormic growth	7	0.36%
Not Specified	5	0.26%
Remove Suckers	5	0.26%
Tree stake required	5	0.26%
Remove year 2	4	0.21%

QTRA Risk Assessment

Out of 1,647 trees all but 1 tree passed the QTRA Risk assessment. This 1 trees have been recommended to have remedial pruning to reduce the risk. The minimum threshold is 1/10,000. The majority of the trees received a 1/1,000,000 risk of harm rating.

Risk Rating

Legend	
1/1,000,000	64.2%
1/500,000	23.0%
1/50,000	11.9%
1/30,000	0.4%
1/300,000	0.3%
1/10,000	0.1%
1/5,000	0.1%
Not Specified	0.1%

Risk Rating

SHOW ALL VALUES

Risk of Harm Number	Count	Percent
1/1,000,000	1057	64.22%
1/500,000	378	22.96%
1/50,000	196	11.91%
1/30,000	6	0.36%
1/300,000	5	0.30%
1/10,000	2	0.12%
1/5,000	1	0.06%
Not Specified	1	0.06%

Trees by structure

Most tree displayed Fair structural condition.

Good	358 trees
Fair	<mark>949 trees</mark>
Poor	309 trees
Very Poor	33 trees

Trees by age class

Young	384 trees
Semi mature	523 trees
Mature	<mark>709 trees</mark>
Post Mature	<mark>32 trees</mark>

This reveals that most of the tree's population are mature trees or semi mature trees. Indicating that more younger trees may need to be planted or programmed to plant to ensure the Urban forest has a variety of age groups to replace the aging specimens.

Useful Life Expectancy (ULE)

0 years	2 trees
1 - 5 years	81 trees
6 - 10 years	175 trees
11 - 20 years	356 trees
20 - 40 years	264 trees
40+ years	767 trees

This reveals that most trees have a lifespan longer than 40 years which is excellent.

Tree removal and works list

An excel spread sheet has been detailed with the most urgent trees to be removed and works based on a priority rating, High, Moderate and Low.

1. Remove now (34 trees) 2 of these trees have died and the rest are very poor health and poor structure.
2. High priority works (37 trees) mostly consisting of dead wood pruning and canopy lift pruning.
3. Moderate priority works (566 trees)
4. Low priority works (101 trees)

Any queries at all regarding the data please contact Zana Sheary – Paperbark Technologies 0401 817 551.