

STEM Evaluation for Wanganui Protected Trees

Tree Number 16 – *Dacrydium cupressinum*

(Rimu)

Native

Location: 355 Somme Parade

Assessed by: Marc Higgie, Consultant Arborist, 4 April 2013

History:

None known at this stage.

Visual Comments:

- Impressive old rimu.
- Some lower branches have gone apical and are of big diameter in proportion with the rest of the tree.
- There have been numerous branches removed on one side. These have very poor pruning cuts; some flush cuts and others with stubs remaining.
- The tree is unbalanced with these large branches on one side and the removal of the others on the other side.
- There is wandering jew (*Tradescantia fluminensis*) growing at the base.
- There are some smaller branches that have been cut back and died.
- The plaque is growing in.
- Otherwise the canopy is healthy.

Recommendations:

- Remove smaller dead branches which have been cut back and tidy up bad stub cuts.
- Reposition plaque.

Tree #16 *Dacrydium cupressinum* R.mu.
 Full Tree Evaluation Score Sheet

Condition Evaluation

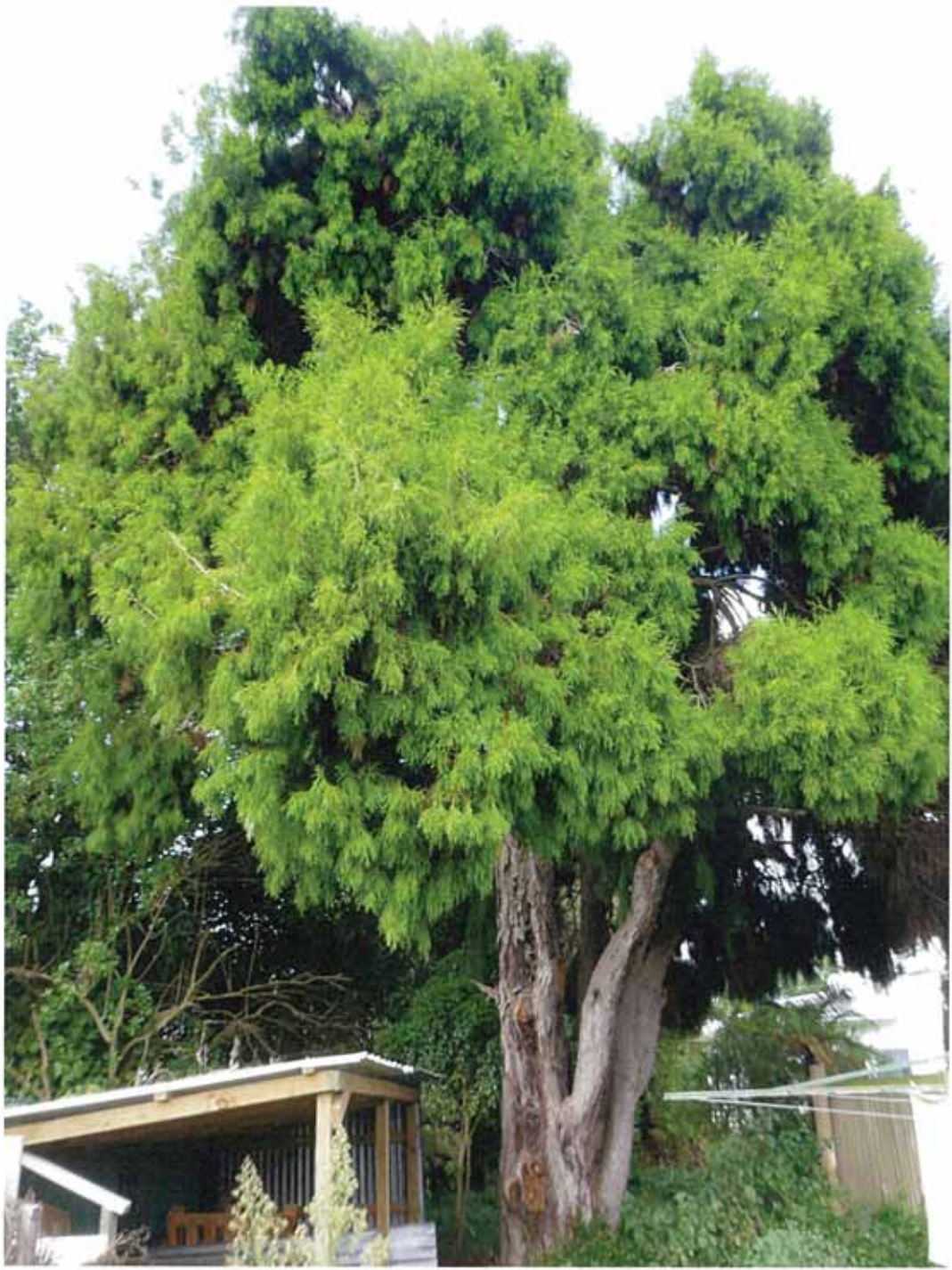
| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 15 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 21 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 15 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 99 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 9 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 15 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 57 |

Notable Evaluation

| Recognition Points | Local | District | Regional | National | International | Score |
|--------------------|-------|----------|----------|----------|---------------|-------|
| | 3 | 9 | 15 | 21 | 27 | |
| Stature | | | | | | |
| • Feature | | | | | | |
| • Form | | | | | | 3 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 9 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 12 |
| Total Points | | | | | | 168 |





Showing poor quality pruning cuts – flush and (not visible) stub cuts.





STEM Evaluation for Wanganui Protected Trees

Tree Number 38 – *Fraxinus angustifolia* subsp. *oxycarpa*

(Claret Ash)

Exotic

Location: 460 Somme Parade (Aramoho Camp Ground)

Assessed by: Marc Higgie, Consultant Arborist, 28 March 2013

History:

None known at this stage.

Visual Comments:

- Very large and impressive tree, especially for its species.
- Its form is fairly consistent with its species and has two main leaders.
- Ash in general can be brittle so seeing one this large and intact is rare.
- As typical with species there is quite a lot of dead wood being held in the canopy.
- There are numerous large exposed roots which have been damaged but are callousing over. Installing a mulch ring to keep mowers further away would be good.
- There is excellent sealing of smaller pruning wounds.
- The tree is partially overhanging one of the camp grounds' cabins and a veranda area. There is some risk involved due to this.
- The Holiday Park owner commented that the trees health has improved considerably after a nearby tree was removed.
- In the first main branch union there is a cavity with decay present. This should be monitored for structural integrity as the large leader is growing over a cabin.
- A low branch that was storm damaged would be better removed to stop the dieback that is taking place.
- The owner is concerned about the safety factor considering the size of the tree and its position above the cabin unit. There is a low, small branch hanging over the cabin that could be removed.

Recommendations:

- A general deadwood would remove any present fall risks.
- Removal of the storm damaged branch and lower overhanging branch above cabin.
- Monitor tree for sign of failure or defect.



Tree #38 ¹⁶ *Fraxinus angustifolia* subsp. *oxycaipa*
 Full Tree Evaluation Score Sheet

Condition Evaluation

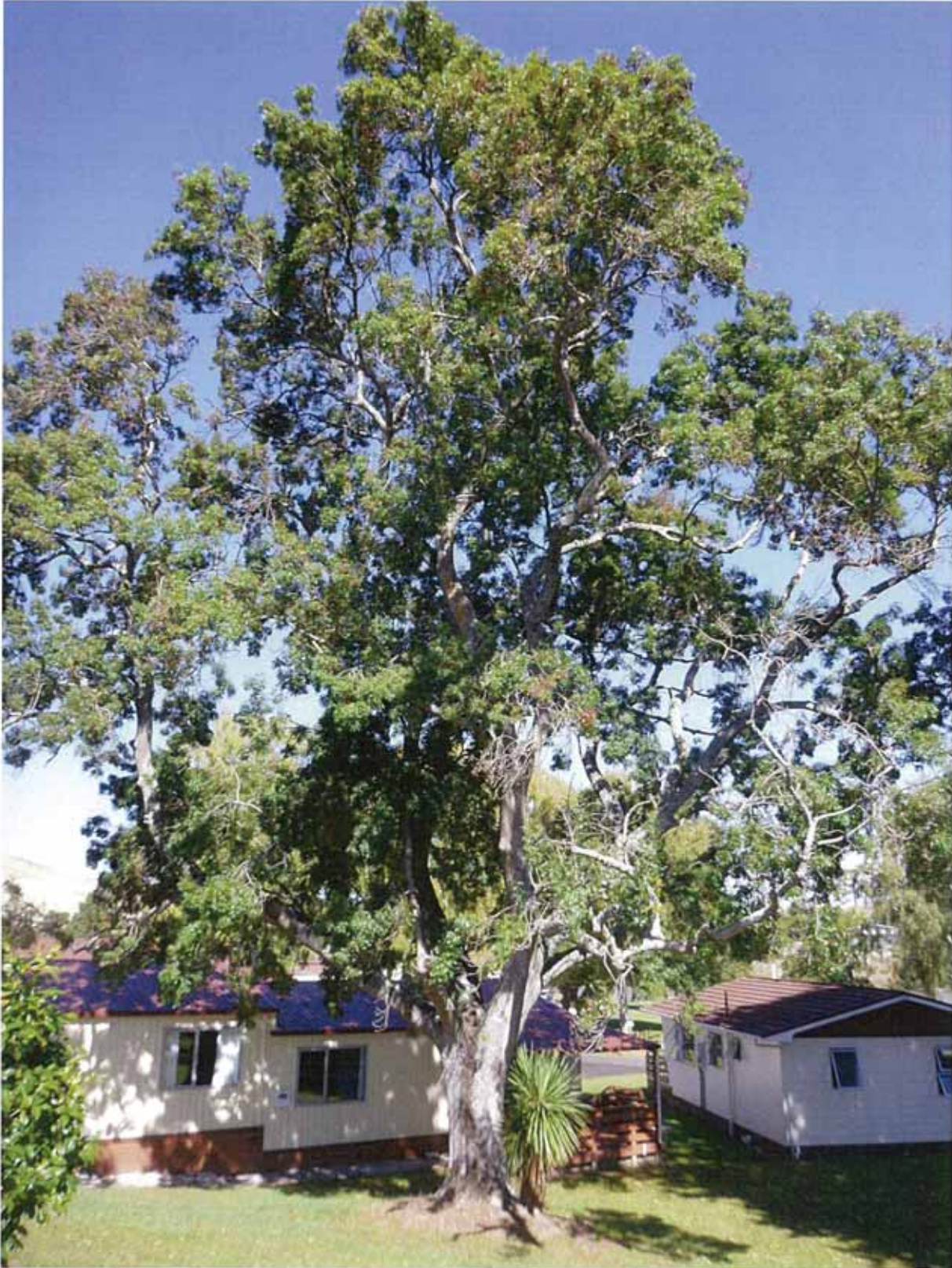
| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 27 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 15 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 99 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 15 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 3 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 51 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 15 |
| • Form | | | | | | 15 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 15 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 45 |
| Total Points | | | | | | 195 |





Showing the storm damaged branch with dieback (top) and the overhanging branch above the cabin unit (below).





STEM Evaluation for Wanganui Protected Trees

Tree Number 41 – *Araucaria araucana*

(Monkey Puzzle)

Exotic

Location: 237 Somme Parade

Assessed by: Marc Higgle, Consultant Arborist, 28 March 2013

History:

"A good specimen of a rare tree in the region." – 1988 assessment.

Visual Comments:

- This tree is female and with others (including males) of this species nearby, it can be a viable seed source.
- Fairly messy interior canopy, a lot of epicormic growth.
- Difficult to see main leader but certain it is a good single leader tree.
- Some dead, lower branches but not the most inviting tree to work on and low priority work.



Tree #41 *Araucaria araucana*
Full Tree Evaluation Score Sheet

Condition Evaluation

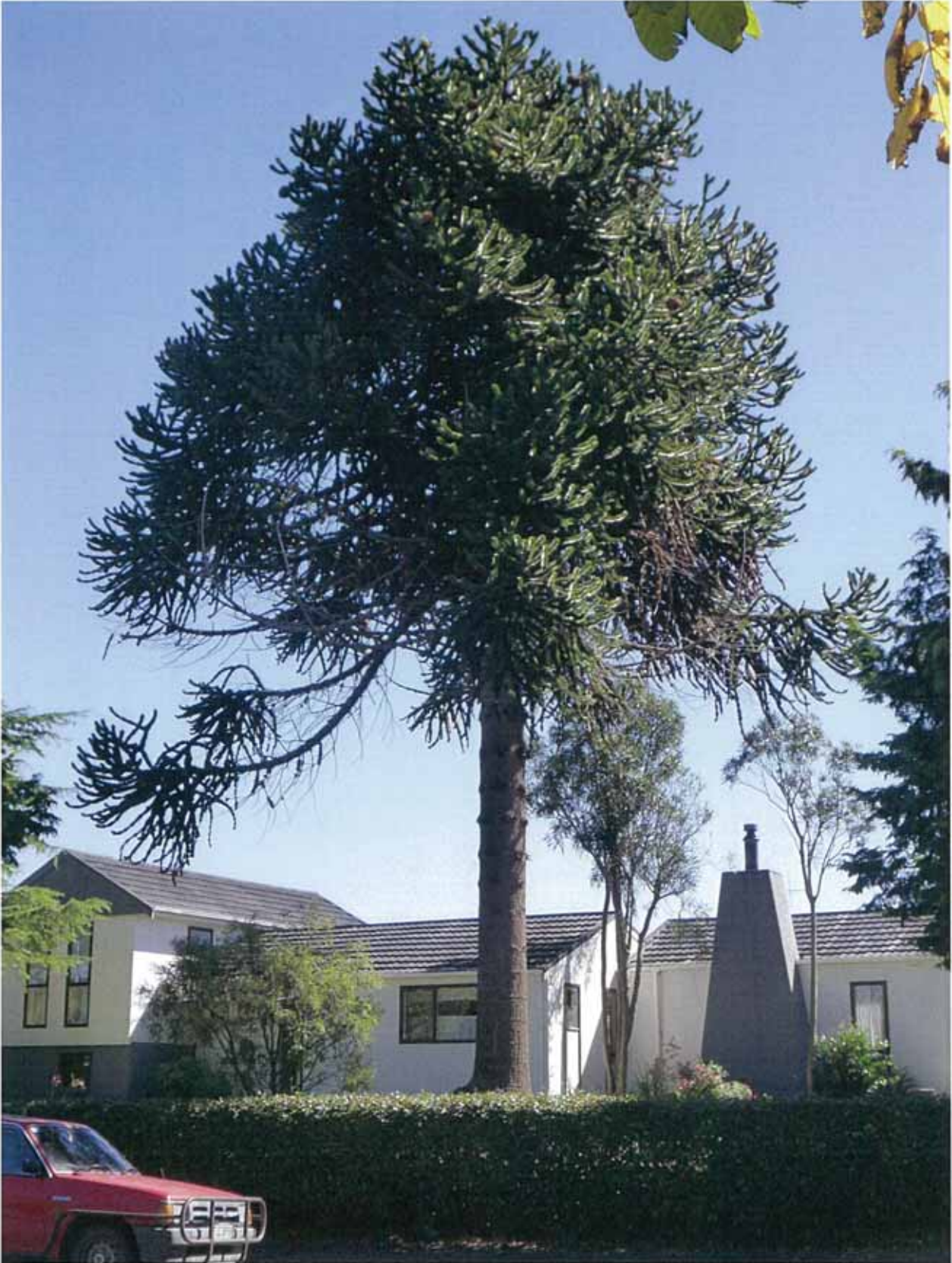
| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 21 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 21 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 99 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 9 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 51 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 3 |
| • Form | | | | | | 9 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 15 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | 9 |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 36 |
| Total Points | | | | | | 186 |





STEM Evaluation for Wanganui Protected Trees

Tree Number 49 – *Fagus sylvatica* ‘Purpurea’

(Copper Beech)

Exotic

Location: 274 Somme Parade

Assessed by: Marc Higgie, Consultant Arborist, 4 April 2013

History:

“Listed as ‘Purple Beech’:”This is a large tree located near the footpath of Somme Parade, its shape slightly wind affected and yet it remains a sizeable and grand tree which dominates the landscape. It was planted in 1895.” – 1988 assessment.

Visual Comments:

- Multi-leadered tree from 1.5m.
- Windswept and shorter because of it.
- Outer most leaders do well to protect itself.
- Good area of garden protecting rootplate.
- Plaque growing in.

Recommendations:

- Reposition the plaque.



Tree # 49 *Fagus sylvatica* 'Purpurea'
Full Tree Evaluation Score Sheet

| Condition Evaluation | | | | | | |
|----------------------|-------------|----------|------------|-------------|-----------|-------|
| Points | 3 | 9 | 15 | 21 | 27 | Score |
| Form | Poor | Moderate | Good | Very good | Specimen | 9 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 15 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 15 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 75 |

| Amenity Evaluation | | | | | | |
|--------------------|--------|----------|-----------|-------------|----------|-------|
| Points | 3 | 9 | 15 | 21 | 27 | Score |
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 15 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 57 |

| Notable Evaluation | | | | | | |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
| Stature | | | | | | |
| • Feature | | | | | | 3 |
| • Form | | | | | | |
| Historic | | | | | | |
| • Age 100+ | | | | | | 9 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 12 |
| Total Points | | | | | | 144 |





STEM Evaluation for Wanganui Protected Trees

Tree Number 51 – *Tillia X europaea* (Common Lime, European Basswood)

Exotic

Location: 460 Somme Parade (Aramoho Camp Ground)

Assessed by: Marc Higgie, Consultant Arborist, 28 March 2013

History:

None known at this stage.

Visual Comments:

- Very large and beautiful tree.
- Hybrid between *Tillia cordata* and *Tillia platyphyllos*.
- Two leaders from approx. 5m but one is dominating and more apical. The other is around 5m tall.
- Fairly typical form and structure.
- Not much basal sucker growth and it does not appear to be regularly trimmed.
- Heavy crop of seed.
- Very dense canopy.
- Some braches are hanging over the house and have been trimmed before but are getting close again to rubbing on the roof.

Recommendations:

- Removal of the lower two – three branches would give good clearance to the house for many years and would not alter the shape/balance of the tree much.

Tree# 51 *Tilia X europaea*
 Full Tree Evaluation Score Sheet *Common Lime, European Basswood*

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 27 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 21 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 105 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 21 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 63 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 15 |
| • Form | | | | | | 21 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 15 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 51 |
| Total Points | | | | | | 219 |





Smaller leader on left.





Foliage growing near to house.

STEM Evaluation for Wanganui Protected Trees

Tree Number 53 – *Cedrus atlantica*

(Atlantic Cedar, Atlas Cedar)

Exotic

Location: 357 Somme Parade

Assessed by: Marc Higgie, Consultant Arborist, 28 March 2013

History:

No history known at this stage.

Visual Comments:

- Handsome tree with great potential.
- Tree still in its younger growing form although it may be stunted from exposure.
- Lower branches have grown very large and weighty in comparison with others.
- Some branch failures evident and numerous pruning wounds – two of them large.
- Tree on empty lot with some other interesting trees including: *Lagerstroemia sp. (indica?)*, *Cydonia oblonga*.

Recommendations:

- Removal of the oversized lower branches would eventually result in a better balanced tree. One removal and branch reductions on the other one or two be a good start.



Tree #53 *Cedrus atlantica*
 Full Tree Evaluation Score Sheet

Condition Evaluation

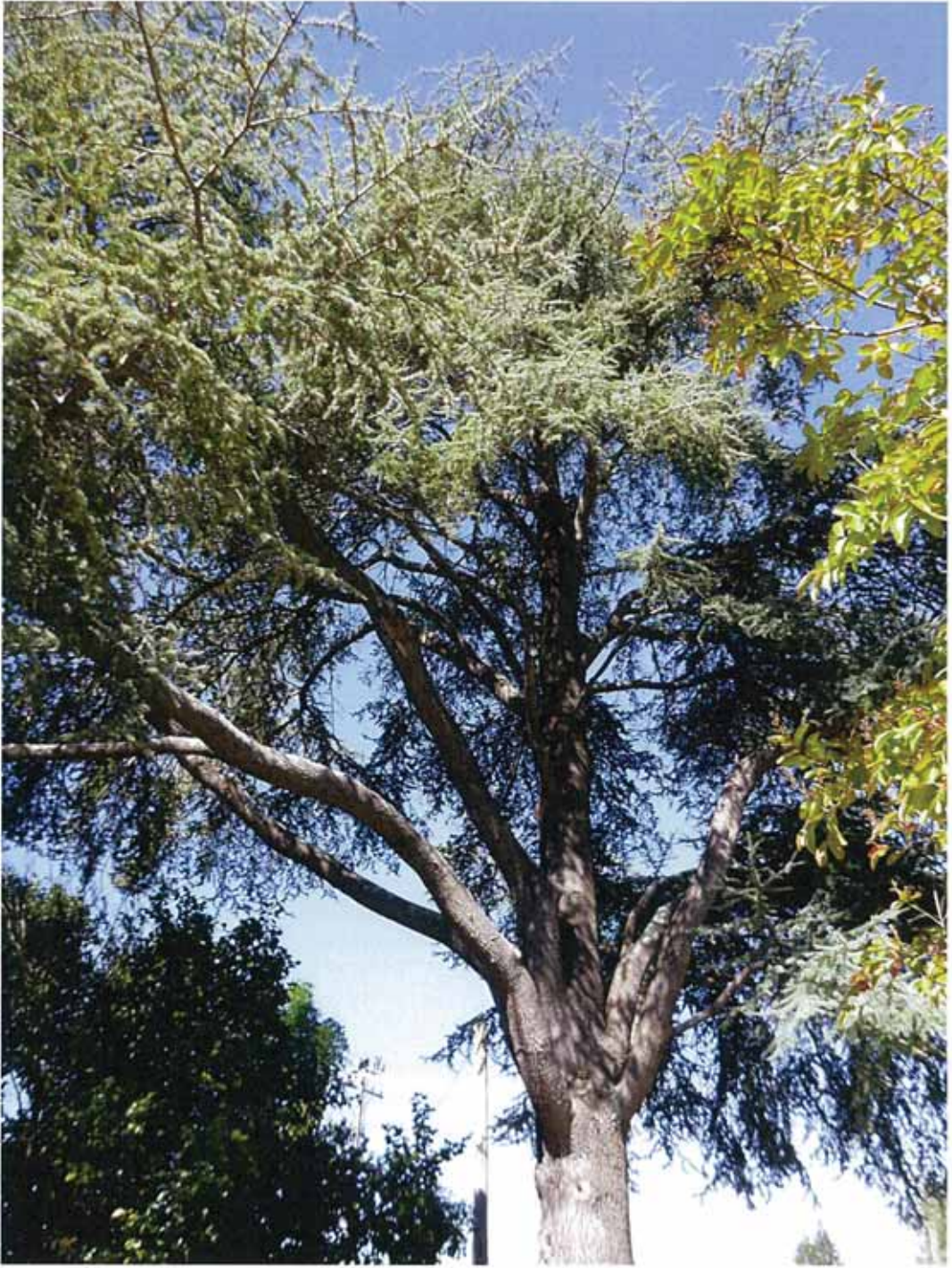
| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 21 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 15 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 3 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 21 |
| Subtotal Points | | | | | | 81 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 15 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 15 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 51 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | |
| • Form | | | | | | 3 |
| Historic | | | | | | |
| • Age 100+ | | | | | | |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 3 |
| Total Points | | | | | | 135 |



STEM Evaluation for Wanganui Protected Trees

Tree Number 58 – *Corymbia ficifolia* (Synonym: *Eucalyptus ficifolia*)

(Red-Flowering Gum)

Exotic

Location: 3 Willow Place

Assessed by: Marc Higgle, Consultant Arborist, 4 April 2013

History:

"Located on the side boundary near the stream. This tree is over 20 years old, one of the few large trees in the riverlands subdivision. This tree is stabilising the very steep bank of the stream." – 1988 assessment.

Visual Comments:

- Stunning specimen.
- Massive trunk with excellent canopy and structure.
- Branches over house have been removed and the wounds have sealed over nicely.
- The tree is right on the edge of a 5m drop into the stream below and is doing a very important and visible job of stabilising the bank which is eroding not far from the edge of its root plate.
- There is some driveway lifting.
- The tree is considerably older than the 1988 assessment states.
- The trunk is girth at ground level is one of the biggest in the area for a single stemmed specimen.



Tree # 58 *Eucalyptus ficifolia*
 Full Tree Evaluation Score Sheet

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 27 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 9 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 27 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 111 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 9 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 15 |
| Climate | Minor | Moderate | Important | Significant | Major | 15 |
| Subtotal Points | | | | | | 63 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 15 |
| • Form | | | | | | 15 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 9 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 39 |
| Total Points | | | | | | 213 |





STEM Evaluation for Wanganui Protected Trees

Tree Number 60 – *Quercus robur*

(English Oak)

Exotic

Location: 258 Somme Parade

Assessed by: Marc Higgie, Consultant Arborist, 28 March 2013

History:

No history known at this stage.

Visual Comments:

- Impressive tree with good main apical leader but at least four other branches from 1-4m up have also turned apical.
- Good structure otherwise. Internal structure very open and stunning.
- Growing away from prevailing wind, making it very spreading over property #259a.
- Large cavity/hollow at 0.5m could have once been another trunk or it may have been three or more leaders which have grafted together early on.
- One branch has had a large failure and has been reduced back. Other old reductions are visible.
- The branches over property #259a are very long and weighty.
- Two bracket fungus present 0.5m up. Tree is very healthy otherwise and these may indicate a period of poor health which the tree grew out of. Unconfirmed identification as *Phellinus wahlbergii*. Bracket fungi are generally a bad sign for the future of a tree but with the excellent health of the oak, these brackets being old and with no fresh brackets I am confident that it no longer is affecting the tree. If any fresh brackets appear it will be easier to identify it correctly and consider the probable effect to the tree.
- There is a smaller oak under the canopy which may be a seedling.

Recommendations:

- Weight reductions on the branches over property @#259a would be a worthwhile precaution in the future.
- Monitoring for fresh bracket fungi and tree health.

Tree # 60 *Quercus robur*
Full Tree Evaluation Score Sheet

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 15 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 9 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 81 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 21 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 63 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 9 |
| • Form | | | | | | 9 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 9 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 27 |
| Total Points | | | | | | 171 |





Showing weight branches overhanging house.





Old brackets of *Phellinus wahlbergii* (unconfirmed).

STEM Evaluation for Wanganui Protected Trees

Tree Number 66 – *Acer palmatum*

(Japanese Maple)

Exotic

Location: 259 Somme Parade

Assessed by: Marc Higgie, Consultant Arborist, 28 March 2013

History:

No history known at this stage.

Visual Comments:

- Lovely tree, although it is past its prime.
- The main union where five main leaders are attached (0.5m) has rot and decay present. Any of the leaders may fail because of their included unions and compromised strength. However, because it is fairly low to the ground, it has a lower risk of wind failure and more from excessive rain in the summer, weighting the branches to overload.
- There is little risk to any infrastructure if a failure occurs.
- The bowl in the main union has been filled with concrete and an old wound near the main union has also been plugged with concrete. This is and has been detrimental to the trees health.
- Some deadwood and stagheading of the canopy is present.
- There is root damage where driveway has been diverted to within 1m of the base.
- Decay is evident at old pruning points. Old pruning cuts are of poor quality.
- Plaque has been popped off by growth and it sitting in the main union.

Recommendations:

- Monitoring for movement in the main union and subsequent end weight reductions and/or cobra bracing may prolong the life of this beautiful tree.



Tree # 66 *Acer palmatum*
Full Tree Evaluation Score Sheet

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 15 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 15 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 15 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 81 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 9 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 51 |

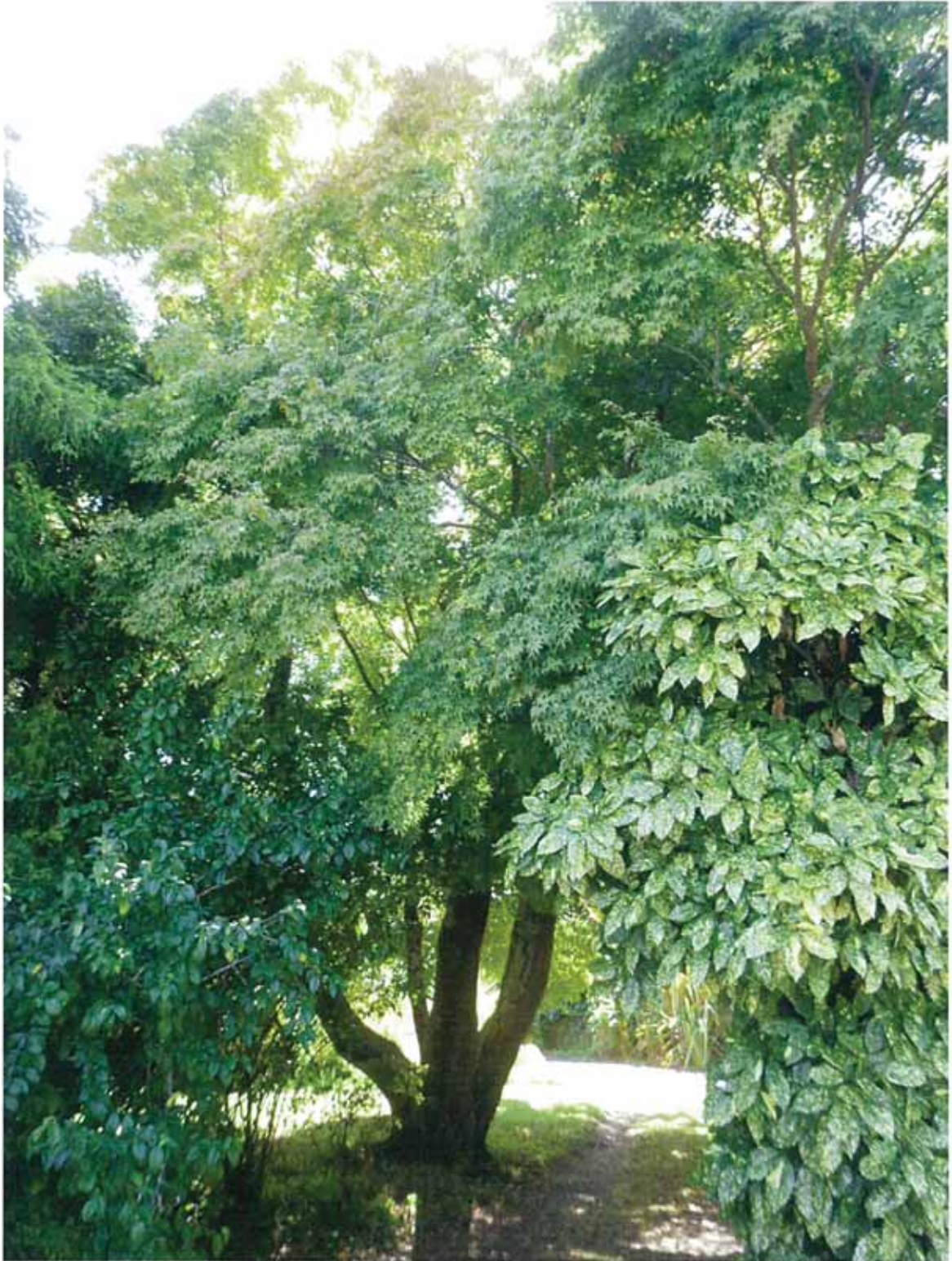
Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 3 |
| • Form | | | | | | 9 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 9 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 21 |
| Total Points | | | | | | 153 |



Main union showing concrete filled cavity.





STEM Evaluation for Wanganui Protected Trees

Tree Number 106 – *Quercus robur*

(English Oak)

Exotic

Location: 15a Cumbrae Place

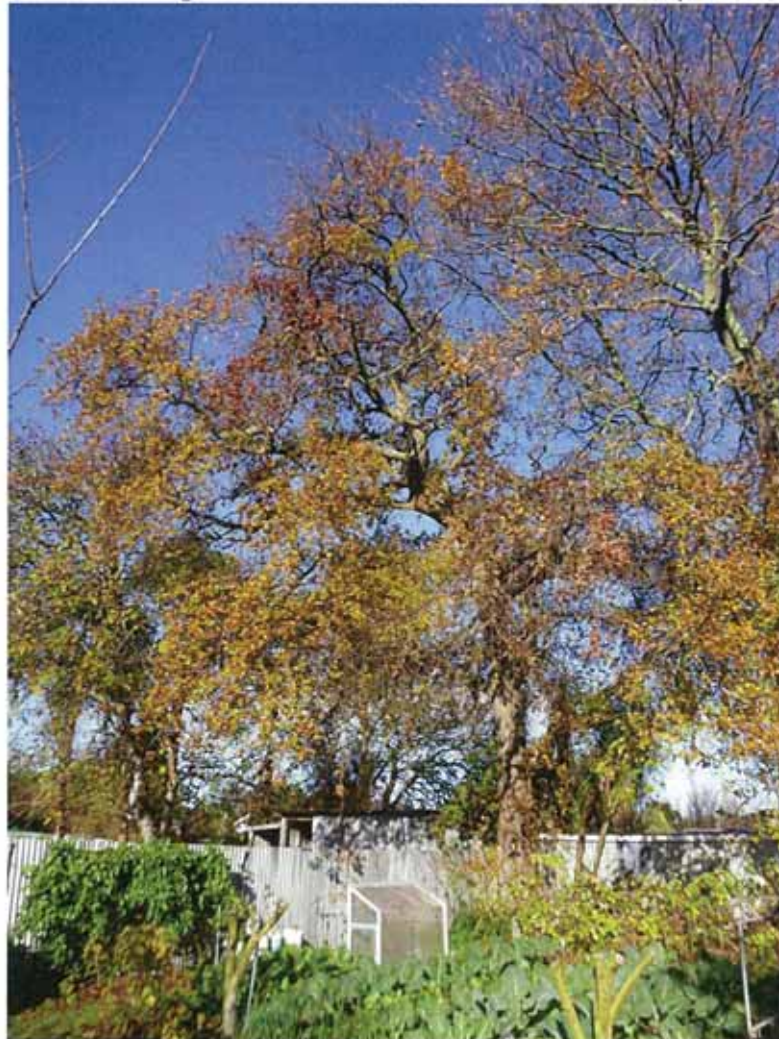
Assessed by: Marc Higgie, Consultant Arborist, 14 June 2013

History:

"The property used to be larger and was a nursery. The trees are most probably shelter or stock plantings." – Resident at 15a Cumbrae Place.

Visual Comments:

- Nice spreading tree, impressive size.
- Growing on a lean over the garden boundary fence.
- There are some heavy branches under the lean.
- A large branch at 8-10m has turned apical and dominates the upper canopy.
- The root-plate has a fence and garden shed to one side but otherwise is well protected.



Tree # 106 *Quercus robur*
Full Tree Evaluation Score Sheet

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|------------------|
| Form | Poor | Moderate | Good | Very good | Specimen | 15 15 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 9 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 81 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 15 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 57 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | |
| • Form | | | | | | |
| Histoic | | | | | | |
| • Age 100+ | | | | | | 3 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 3 |
| Total Points | | | | | | 141 |



STEM Evaluation for Wanganui Protected Trees

Tree Number 107 – *Quercus robur*

(English Oak)

Exotic

Location: 15a Cumbrae Place

Assessed by: Marc Higgle, Consultant Arborist, 14 June 2013

History:

"The property used to be larger and was a nursery. The trees are most probably shelter or stock plantings." – Resident at 15a Cumbrae Place.

Visual Comments:

- Impressive tree. Its form and structure is better than many in the area.
- A large branch at 8m has turned apical and dominates over the main leader, which is rather small in comparison.
- This apical branch grows on a lean over the garden below. There is considerable weight in the branch.
- The owner is concerned about branches dropping.
- The tree is in great health and all branch attachments are sound and I see no reason for concern at this stage, however, weight reductions over the garden could be a consideration if there are more concerns.
- Sheds cover approximately 70% of the root-plate.
- The owner has reattached the plaque after it popped off due to growth of the tree. The reattachment is much better and allows for future growth.

Recommendations:

- Consider weight reductions in the upper canopy if branch failures occur or there are more concerns from the owners.



Tree # 107 Quercus
Full Tree Evaluation Score Sheet

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 25 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 9 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 21 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 87 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 15 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 9 |
| Subtotal Points | | | | | | 57 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | 3 |
| • Form | | | | | | 3 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 3 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 9 |
| Total Points | | | | | | 153 |





Union showing smaller main leader (centre) and the turned apical dominant branch (right).

STEM Evaluation for Wanganui Protected Trees

Tree Number 108 – *Juglans regia*

(Walnut, English Walnut)

Exotic

Location: 15 Cumbrae Place

Assessed by: Marc Higgle, Consultant Arborist, 14 June 2013

History:

"The property used to be larger and was a nursery. The trees are most probably shelter or stock plantings." – Resident at 15a Cumbrae Place.

Visual Comments:

- This tree would have once had better shape and been more impressive. It has been misshapen from branch failure or poor pruning.
- The tree has grown on a pronounced lean as if another tree suppressed it when it was younger and growing.
- It has had a large branch removed, or possibly failed, which has calloused nicely but there is decay present.
- There are other poor pruning cuts in the canopy.
- There is a good crop of good sized walnuts.
- The protected oak #106 next door is growing over it and is suppressing it from growing straighter and taller.
- The root-plate is well protected with the area being unused.
- A wire has been attached to a branch which has grown around the wire. This will eventually kill the branch and cause a failure. The branch is of small size and minimal risk is present.



Tree #108 Juglans regia
Full Tree Evaluation Score Sheet

Condition Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-------------------|-------------|----------|------------|-------------|-----------|-------|
| Form | Poor | Moderate | Good | Very good | Specimen | 9 |
| Occurrence | Predominant | Common | Infrequent | Rare | Very Rare | 15 |
| Vigour & Vitality | Poor | Some | Good | Very good | Excellent | 15 |
| Function | Minor | Useful | Important | Significant | Major | 9 |
| Age (yr) | 10yrs. + | 20yrs. + | 40yrs. + | 80yrs. + | 100yrs. + | 27 |
| Subtotal Points | | | | | | 75 |

Amenity Evaluation

| Points | 3 | 9 | 15 | 21 | 27 | Score |
|-----------------|--------|----------|-----------|-------------|----------|-------|
| Stature (m) | 3 to 8 | 9 to 14 | 15 to 20 | 21 to 26 | 27+ | 9 |
| Visibility (km) | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 | 3 |
| Proximity | Forest | Parkland | Group 10+ | Group 3+ | Solitary | 21 |
| Role | Minor | Moderate | Important | Significant | Major | 9 |
| Climate | Minor | Moderate | Important | Significant | Major | 3 |
| Subtotal Points | | | | | | 45 |

Notable Evaluation

| Recognition Points | Local 3 | District 9 | Regional 15 | National 21 | International 27 | Score |
|--------------------|------------|---------------|----------------|----------------|---------------------|-------|
| Stature | | | | | | |
| • Feature | | | | | | |
| • Form | | | | | | 3 |
| Historic | | | | | | |
| • Age 100+ | | | | | | 3 |
| • Association | | | | | | |
| • Commemoration | | | | | | |
| • Remnant | | | | | | |
| • Relict | | | | | | |
| Scientific | | | | | | |
| • Source | | | | | | |
| • Rarity | | | | | | |
| • Endangered | | | | | | |
| Subtotal Points | | | | | | 6 |
| Total Points | | | | | | 126 |

