

**STEM Evaluation for:**  
***Metrosideros robusta***  
**(Northern Rata) - Native**

**Location: Corner Liverpool Street, Glasgow Street and Somme Parade.**

**STEM Score : 144**

**Assessed by: Marc Higgle, Consultant Arborist, 1 November 2013**

**History:**

None supplied or known at this stage.

**Visual Comments:**

- Nice smaller tree growing next to a *Metrosideros excels* which is Tree #4 on the protected list.
- There used to be a Southern Rata (*Metrosideros umbellata*) on this site also.
- The tree is being somewhat suppressed by the Pohutukawa. Some light pruning would remedy this.
- There is a large grassed area around it for it to grow, although it is only 1.5m from the footpath.
- There has been recent soil disturbance outside of the drip zone which would not likely have caused much lasting damage to the tree and its roots but recent spray marking indicate possible planned soil disturbance within 2m of the trees base. These marking could be purely to mark the presence of utilities for workers digging on the afore mentioned soil disturbance.
- There is good root flare with minimal (but some present) damage to it or any exposed roots.
- There has been one large and two smaller leaders removed in the past, as well as a *Coprosma sp.* growing at the base.

**Recommendations:**

- Lightly prune neighbouring *Metrosideros excelsa* to stop it suppressing the Rata.
- A large, combined mulch circle with the two trees would be beneficial for root health and deter root damage.



## Full Tree Evaluation Score Sheet

*Metrosideros robusta*

1.11.13

### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	<del>24</del>
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	21
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	<del>15</del>
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+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	27
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						57

### Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						144





Pohutukawa (left) suppressing rata (right).







## STEM Evaluation for:

*Corymbia ficifolia* - 3 trees

(Synonym: *Eucalyptus ficifolia*)

(Red-Flowering Gum) - Exotic

Location: Riverbank, between 66 Somme Parade and Russell Street

STEM Score : 183

Assessed by: Marc Higgle, Consultant Arborist, 12 December 2013

### History:

Planted as a commemoration of WWI and the re-naming of the road.

### Visual Comments:

- Three nice trees growing within 30m of each other.
- No visible prune history and no sign of major failures.
- The trees are mostly overhanging the riverbank and have good form and no real need for pruning.
- They all have good clean canopies.
- They are part of a mixed planting with other mature exotic and native trees.



## Full Tree Evaluation Score Sheet

*Corymbia ficifolia* x 3 12.12.13

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	21
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	<del>21</del> 21
Subtotal Points						<del>93</del> 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+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	15
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	21
Climate	Minor	Moderate	Important	Significant	Major	<del>21</del> 27
Subtotal Points						69

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						
• Form						
Historic						
• Age 100+						9
• Association						
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						<del>36</del> 27
Total Points						<del>158</del> 183













**STEM Evaluation for:**  
***Podocarpus totara* – 19 trees**  
**(Totara) - Native**

**Location: Riverbank, between 66 Somme Parade and Russell Street**

**STEM Score: 207**

Assessed by: Marc Higgie, Consultant Arborist, 12 December 2013

**History:**

Planted as a commemoration of WWI and the re-naming of the road.

**Visual Comments:**

- Large totara trees on the riverbank mixed with other mature native and exotic trees.
- Their forms are mostly very good and most have good healthy canopies.
- On the downriver end of the trees, some are closely growing with other trees creating two-toned canopies. They are growing well together and the only concern would be if one were removed or failed, leaving the other exposed and vulnerable.
- There are a few smaller trees, some which have been suppressed by larger trees.
- There is a vine growing through the canopy of one tree. It has been cut but is coming away again.
- Most of the trees have had their canopies pruned and have good structure. They probably won't need further prunes unless there are failures.





### Full Tree Evaluation Score Sheet

*Podocarpus totara* x 19 12.12.13

**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	15
Function	Minor	Useful	Important	Significant	Major	21
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	<del>21</del>
Subtotal Points						93

**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	15
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	21
Climate	Minor	Moderate	Important	Significant	Major	<del>15</del>
Subtotal Points						81

**Notable Evaluation**

Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						<del>3</del>
• Association						
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						<del>33</del>
Total Points						<del>21</del> 207



















Vine growing throughout canopy.





**STEM Evaluation for:**  
***Quercus robur* (some possible hybrids)**  
**(English Oak) - Exotic**  
**Location: Halswell Street (72 trees)**  
**STEM Score: 147**

Assessed by: Marc Higgle, Consultant Arborist, 7 November 2013

**History:**

Planted in 1902.

**Visual Comments:**

The following comments and the STEM Assessment represent an average of all the 72 trees.

- Most of these trees show typical form and structure for trees that have been topped in the past.
- The trees were closely planted leaving an unevenness in the size and shapes of trees, some being small and others large and spreading.
- Most have numerous cavities with varying levels of heartwood decay.
- A few of the trees opposite Peat Park have significantly better form due to their not having been topped in the past.
- There is one very well formed Pin or Scarlet Oak (*Quercus palustris* or *coccinea*) outside 30 Halswell Street.
- There is a hanger above the footpath outside 5 Halswell Street.
- The powerlines have been bundled leaving less future clearance pruning to be done. Still present though, are the large windows that have been pruned into the trees for old line clearances.
- There is ivy growing from a cavity outside 16 Halswell Street.
- Most have minor deadwood.
- Most have a lot of epicormic growth in the lower canopies and trunks.
- Compaction of the soil will be a minor issue with cars parking over the root plates of most trees.

**Recommendations:**

- Remove hanger outside 5 Halswell Street.
- Remove ivy outside 16 Halswell Street.



### Full Tree Evaluation Score Sheet

*Quercus robur* (some possible hybrids) 7.11.13

**Condition Evaluation**

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

**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	15
Climate	Minor	Moderate	Important	Significant	Major	21
<b>Subtotal Points</b>						<b>69</b>

**Notable Evaluation**

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						3
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
<b>Subtotal Points</b>						<b>3</b>
<b>Total Points</b>						<b>147</b>

























































## STEM Evaluation for:

*Platanus X hispanica* – 58 trees

London Plane - Exotic

Location: Victoria Avenue (from Ingestre Street to Great North Road)

STEM Score: 171

Assessed by: Marc Higgle, Consultant Arborist, 16 December 2013

### History:

Planted in 1890.

### Visual Comments:

- These London planes make up an attractive avenue of trees which have had a history of pollarding and then left to grow into a tree with between three and ten main leaders from the old pollard point approximately 3m high.
- For their past management history, the trees have good form and structure. The leaders are a little lions tailed at times but they have all been well maintained post pollarding.
- The trees play an important role in air conditioning the street, providing shade in the summer and wind shelter in the winter. They also absorb air pollution.
- A few of the trees appear to be approximately 40 years younger but have had the same management practices applied so have been included in the assessment. There are some much younger *Platanus orientalis* (?) which I have not included in the assessment.
- There is some tip die-back in some of the trees.
- Most of the roots are uplifting asphalt footpaths and kerbing.
- New asphalt and kerbing to replace where it has uplifted, has probably meant there has been some root pruning to most of the trees. They do not appear to be stressed as a result.
- There is some basal suckering on a few trees.
- A few of the trees have been pruned back from veranda overhangs and have sealed over their wounds very well. The trees are misshapen as a result.
- There were some cavities noted but only minimal decay observed.
- There is little damage to branches overhanging the road. I would have expected a lot more.

### Recommendations:

- Continue with current management practices.



### Full Tree Evaluation Score Sheet

*Platanus x hispanica*      x 58      16.12.13

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

Amenity Evaluation						Score
Points	3	9	15	21	27	
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	15
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Climate	Minor	Moderate	Important	Significant	Major	21
Subtotal Points						87

Notable Evaluation						Score
Recognition Points	Local	District	Regional	National	International	
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Stature						
• Feature						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						3
Total Points						171



















































