

STEM Evaluation for Wanganui Protected Trees

Tree Number 1 – *Metrosideros excelsa*

(Pohutukawa)

Native

**Location: 67 Liverpool Street (corner of Liverpool St and
Wicksteed St)**

Assessed by: Marc Higgle, Consultant Arborist, 19 February 2013

History:

No history known at this stage.

Visual Comments:

- Impressive specimen.
- Great network of branches and copious aerial roots.
- In old historical notes it is regarded as “the largest of this species in Wanganui.” While it is very large and its form is possible the best, there are other Pohutukawa that are the same, if not bigger, than this one.

Recommendations:

- The tree would stand out more if the *Coprosma repens* and other undergrowth were removed. There is an un-aesthetic fence that could be removed to also show off the tree better.



Tree #1
 12
Metrosideros excelsa

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	15
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+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
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						69

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						21
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						36
Total Points						192



STEM Evaluation for Wanganui Protected Trees

Tree Number 4 – *Metrosideros excelsa*

(Pohutukawa)

Native

Location: Road Reserve – Corner Liverpool and Halswell Street

Assessed by: Marc Higgie, Consultant Arborist, 19 February 2013

History:

"A rare and interesting street verge planting. It has a multi leader trunk from 0.4m above ground level." – Supplied.

Visual Comments:

- Tree is interesting but by no means rare for its form. It is nice and compact making it ideal for its position.
- Its growth is supressing a *Metrosideros robusta* (northern rata), which is rarer, native to the area and worthy of protecting.

Recommendations:

- Remove hanger and branches supressing rata.



Tree # 4 *Metrosideros excelsa*
 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	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points						63

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	3
Subtotal Points						51

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						114



Tree on left is *Metrosideros robusta* and on right is the protected *Metrosideros excelsa*.



Protected *Metrosideros excelsa* branches suppressing growth of the *Metrosideros robusta*.

STEM Evaluation for Wanganui Protected Trees

Tree Number 5 – *Metrosideros robusta*

(Northern Rata)

Native

Location: 22 Somme Parade (15 Somme Parade)

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

History:

None known at this stage.

Visual Comments:

- Great specimen with good space around it.
- Single leadered to 3m.
- Some exposed roots have been damaged.
- Could have been topped in the past but it is difficult to tell for sure. If so it has been left unpruned for many years.
- Numerous cabbage trees (*Cordyline australis*), Karamu (*Coprosma repens*), *Cotoneaster sp.* and blackberry (*Rubus fruticosus*) at the base.
- There is no plaque for this tree.

Recommendations:

- A bigger mulch circle that protected all the exposed roots would be ideal although it would take a lot of space.
- Remove the cotoneaster and blackberry from the base and poison the stumps with a very weak poison mix so the rata does not take any poison in. This may take multiple poisonings with a weak mix.

Tree #5 *Metrosideros robusta*
 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	15
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+	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 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						3
Historic						
• Age 100+						9
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						12
Total Points						174



STEM Evaluation for Wanganui Protected Trees

Tree Number 9 – *Metrosideros excelsa*

(Pohutukawa)

Native

Location: Road Reserve – 101-119 Liverpool Street

Assessed by: Marc Higgle, Consultant Arborist, 18 March 2013

History:

None known at this stage.

Visual Comments:

- A single sided avenue consisting of 15 trees.
- All but a few replacement trees are roughly the same age and have typical structure of a tree that has been historically pollarded or topped and then allowed to grow into a “natural” tree.
- Most of the trees had recently been given a crown lift above the footpath and road. Some had also had powerline clearance prunes. All recent pruning cuts were of good quality.

Below are comments for individual trees:

Tree at 101 Liverpool Street:

- Younger and smaller tree than others and must be a replacement.
- No plaque so unsure if it is actually included in the protection.
- Healthy twin trunked tree.

Tree at 103 Liverpool Street:

- Multi-stemmed and fairly leggy.

Tree at 105 Liverpool Street (by driveway):

- Tree is very lopsided towards road, large stump in house garden suggests it was being suppressed and now that tree has gone it has room to fill/even itself out.
- Multi-leadered.

Tree at 105 Liverpool Street:

- Very multi-stemmed and leggy from old topping points.
- Canopy fairly sparse possibly related to severe, old root pruning directly at base of trunk.
- Decay is evident in wound spread from these cuts approx. 1m up trunk on houseside.
- Service line running through one side.

Tree at 107 Liverpool Street (by driveway):

- Impressive street tree although a little leggy from past topping.
- Large masses of aerial roots on two leaders but on no more.
- Large root mass evident and is beginning to lift entrance to driveway and guttering.

Tree at 107 Liverpool Street:

- Smaller tree, must be a replacement.
- No plaque.

Tree at 109 Liverpool Street:

- Nice street tree.
- Structure is typical of old topping practices.
- Some sort of broken concrete retaining wall at base of house side.
- Looks like damage done either then or maybe it has been root pruned.

Tree at 115 Liverpool Street:

- Typical ex-topping tree, somewhat leggy but reasonably well branched.
- Large root mound with some gutter lifting.

Tree at 117 Liverpool Street (by driveway):

- Good, recent line clearance.
- Lopsided towards road.
- Fairly leggy.
- Damage to roots from parked cars evident.

Tree at 117 Liverpool Street (by garage):

- Well shaped street tree although tending a little more towards road.
- Good sized aerial roots have rooted to ground.

Tree at 119 Liverpool Street (by garage):

- Well shaped and managed street tree post topping.
- Aerial roots covering trunks like hair.
- Storm water drain at base appears not to be draining.

Tree at 119 Liverpool Street (by letterbox):

- Impressive street tree from roadside but there is an old large included bark union failure wound above the footpath that has disfigured it. The wound has calloused and is sealing up well.
- Another smaller failure further up on the same limb has left a hole in the canopy.

Tree at 121 Liverpool Street (furthest from corner):

- Classical structure of post topping tree, leggy and multi-stemmed.
- Good amount of aerial roots.

Tree at 121 Liverpool Street (middle tree):

- Very dense, two trunked canopy.
- Good aerial roots – hair like.

Tree at 121 Liverpool Street (on corner):

- Stunning street tree with excellent shape.
- Impressive trunk and aerial roots.

Tree #9

Metrosideros excelsa¹²

address 101

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. +	15
Subtotal Points						69

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	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						39

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						
Total Points						108



Tree # 9

12
address #103

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. +	15
Subtotal Points						69

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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						
Total Points						120



Tree # 9

address # 105¹²

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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						63

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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						114



Tree # 9

12

address # 105 by driveway

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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points						63

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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						114



Old root pruning damage.

Tree #9

12
address #107

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	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	9
Subtotal Points						57

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
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						45

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						102



Tree #9

address # 107 by driveway

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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
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+	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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						132



Tree # 9

address #109¹²

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	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						69

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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						120



Tree # 9

address #115

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. +	21
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	9
Subtotal Points						51

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						126



Tree # 9 address #117 by driveway

Full Tree Evaluation Score Sheet

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	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						63

Amenity Evaluation						Score
Points	3	9	15	21	27	
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						Score
Recognition Points	Local	District	Regional	National	International	
Stature	3	9	15	21	27	
• Feature						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						114



117 by driveway (left) & by garage (right).

Tree # 9

address # 117 by garage.

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. +	21
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	9
Subtotal Points						51

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						126

Tree #9

address # 119 by garage.

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	29 15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						69

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	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						120



Tree #9

address # 119 by letter box

Full Tree Evaluation Score Sheet

Condition Evaluation						Score
Points	3	9	15	21	27	
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						69

Amenity Evaluation						Score
Points	3	9	15	21	27	
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						Score
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	
Stature						
• Feature						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						120



Tree #9

address #121 furthest from corner.

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	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						69

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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						120



Tree #9

address #121

Middle tree.

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	7
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
Subtotal Points						69

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						
• Form						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						120



Tree #9

address #121 - on corner

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. +	21
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	9
Subtotal Points						51

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						126



Tree 121 Liverpool Street (on corner).



Tree 117 (by garage) with hairlike aerial roots.

STEM Evaluation for Wanganui Protected Trees

Tree Number 11 – *Washingtonia robusta*

(Mexican Fan Palm, Skyduster Palm)

Exotic

Location: St Georges Gate (Road Reserve in middle of loop)

Assessed by: Marc Higgle, Consultant Arborist, 19 February 2013

History:

None known at this stage.

Visual Comments:

Tree 1/5:

- Tree is a beautiful specimen.
- A mulch circle around its base would protect it from damage.
- Some old wounds 1m up suggest it has had an axe to it in the past.
- First palm as upon entry into St Georges Gate. More isolated than the rest of plantings.

Tree 2/5:

- Tree has pronounced lead due to close proximity of *Phoenix canariensis*.

Tree 3/5:

- Tree has slight lean due to nearby *Phoenix canariensis*.
- There is a 15-20 year old Pohutukawa tree growing from base of trunk. It is not causing a problem now but eventually it will crowd and dominate the plantings and loose the aesthetic appeal of the palms.

Tree 4/5:

- Tree has some shrubs at base which is acting as a good buffer/protection from lawnmowers etc.

Tree 5/5:

- Tree is part of a planting which protects base from damage.

Recommendations:

- Remove Pohutukawa growing at base of Tree 3/5.

Tree #11

Washingtonia robusta ¹² $\frac{1}{5}$



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	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
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+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
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						15
• Form						9
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						39
Total Points						189

Tree #11

Washingtonia robusta ¹² #18 $\frac{2}{5}$



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	21
Function	Minor	Useful	Important	Significant	Major	3
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+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
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						9
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						24
Total Points						171

Tree # 11
Washingtonia robusta

12

3/5



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	21
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						57

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
Stature						
• Feature						
• Form						9
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						24
Total Points						153

Tree #11
Washingtonia robusta

4/5

12



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	15
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
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						9
• Form						3
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						27
Total Points						165

Washingtonia Tree #11
robusta



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	21
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						51

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						9
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						75-24
Total Points						747-171





STEM Evaluation for Wanganui Protected Trees

Tree Number 18 – *Phoenix canariensis*

(Canary Island Date Palm)

Exotic

Location: St Georges Gate (Road Reserve in middle of loop)

Assessed by: Marc Higgle, Consultant Arborist, 19 February 2013

History:

"A group of seven trees (Source: Mapping). Trees may date back to when the site was used as a swimming pool (not confirmed)." – Supplied.

Visual Comments:

- They are all typical for mature Phoenix.
- There are seven listed but only six remain. One resident told me that one was moved years ago, from a proposed house site, to amongst the other Phoenix and died. The trunk is still standing but covered in ivy.
- Tree six (closest to river) of this group appears stressed and in decline. Canopy is sparse and dead/live ratio of fronds is 50/50. It is of low risk because of its location in the middle of the plantings.

Recommendations:

- Monitor the health/decline of tree six.
- Remove ivy growing through grouping.



Tree # 18

Phoenix 12
Carolinensis



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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						
Historic						
• Age 100+						9
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						9
Total Points						135

Tree # 18

Phoenix canariensis



Full Tree Evaluation Score Sheet

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21/15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						
Historic						
• Age 100+						9
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						9
Total Points						129

Tree #18

Phoenix Canariensis



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	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						69

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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						
Historic						
• Age 100+						9
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						9
Total Points						123

Tree # 18 Phoenix coronata
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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						45

Notable Evaluation

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

Tree # 18
Phoenix canariensis
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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						45

Notable Evaluation

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

Tree # 18

12

Phoenix canaliculata
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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	3
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						51

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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						
Historic						
• Age 100+						9
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						9
Total Points						105





Above & Below: Tree 6 – showing decline and poor canopy.





STEM Evaluation for Wanganui Protected Trees

Tree Number 23 – *Magnolia grandiflora*

(Great Laurel Magnolia, Southern Magnolia, Bull Bay)

Exotic

Location: 139 Glasgow Street

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

History:

"Planted in the 1880's by Francis Williamson who had acquired the house on the property for his daughter Angelina (house still stands). A keen botanist, Mr Williamson was the former head gardener of the Sheffield Botanical Gardens, who arrived in Wanganui sometime in 1848. He was responsible for sending specimens of New Zealand ferns which were new to botanists to Sir Joseph Paxton, the designer of the Crystal Palace." - 1988 assessment.

"The house on the site contains a Heritage listing (40). House was built in 1874 by Mr Bassett. Purchased by Mr Williamson in 1882." – Ref: Heritage Inventory District Plan.

Visual Comments:

- Very healthy tree with great canopy cover.
- Multi-leadered form from 1.5m but unions are sound.
- Some basal epicormic growth.
- The path is lifting from root growth, just inside the gate.
- Window pruned into side of canopy for powerline clearance.
- Some old pruning wounds noted with some minor decay.
- Ivy ground cover at base, not climbing or has been kept trimmed.
- Some flowers present.



Tree #23 *Magnolia grandiflora*
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	21
Function	Minor	Useful	Important	Significant	Major	15
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+	9
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
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						9
Historic						
• Age 100+						9
• Association						27
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						48
Total Points						192





STEM Evaluation for Wanganui Protected Trees

Tree Number 24 – *Erythrina crista-galli*

(Cockspur Coral Tree, Coral Tree)

Exotic

Location: 67 Liverpool Street (on UCOL site along Wicksteed Street)

Assessed by: Marc Higgle, Consultant Arborist, 18 February 2013

History:

None known at this stage.

Visual Comments:

- Tree is an excellent specimen for the area.
- Recently had good crop of flowers which nectar birds, like tui, love.
- Large 2+ foot diameter leader at base removed years ago. Rot and decay is evident and while it hasn't progressed into the other trunk, it may eventually compromise structural integrity of it.
- Plaque grown into tree. Still possible to unscrew and reposition.

Recommendations:

- Unscrew and reposition plaque.



Tree # 24

12

Erythrina crista-galli

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	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
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+	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	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						39

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
	3	9	15	21	27	
Stature						
• Feature						15
• Form						15
Historic						
• Age 100+						15
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						45
Total Points						156 77





Showing removed leader with the progression of decay.

STEM Evaluation for Wanganui Protected Trees
Tree Number 32 – *Quercus canariensis* X (hybrid)
(Algerian Oak, Canary Oak, Mirbeck's Oak)

Exotic

**Location: 90 Dublin Street (Road Reserve on Victoria Avenue,
opposite McDonalds and closer to Dublin Street)**

Assessed by: Marc Higgie, Consultant Arborist, 18 March 2013

History:

"On a sloping verge alongside Victoria Avenue, the larger tree being planted by Mrs James Aitken and the other by visiting Scottish singer Miss Jessie McLauchlan in 1905 to commemorate the centenary of Trafalgar. The trees were given by Alexander Laird" – Supplied (1988 assessment).

Visual Comments:

- Both trees are not true *Quercus canariensis* but a hybrid between *Q. canariensis* and another species. They are both different hybrids to each other with significantly different foliage. Their being a hybrids does not "devalue" them. Oaks hybridise so readily and it is difficult to source true species in New Zealand. They are still venerable trees and an important role in Wanganui's treescape.
- If the bank is planted, there is no real need for the street trees planted on the footpath. This will enable the oaks and other specimen trees to be seen better.

Tree opposite McDonalds:

- Better vigour/health than other tree.
- Vigorous epicormic growth throughout canopy.
- Impressive tree with better structure than other tree. Two main trunks from 1-2m.

Tree close to corner of Dublin Street:

- Impressive tree but has very bad form and structure.
- Old pollarding practices have resulted in six main leaders growing at 3m high.
- There is a potential for a rot pocket to form in this main union.
- Some sizeable deadwood present.

Recommendations:

- Ivy needs to be removed from base of tree opposite McDonalds before it spreads higher into tree.
- A replacement tree(s) could be propagated from these trees and planted on the bank nearer to Midtown Motor Inn to get established while the parent trees are still healthy.
- A deadwood and light crown thin would freshen the trees up and lessen the risk of falling deadwood.

Tree # 32
Quercus canariensis hybrid
 opp MacDonald

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	3
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	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						9
• Form						9
Historic						
• Age 100+						15
• Association						
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						60
Total Points						198





Tree # 32

Quercus canariensis hybrid - cnr Dublin street.
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	21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	3
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	3
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						51

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						15
• Association						
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						42
Total Points						174





STEM Evaluation for Wanganui Protected Trees

Tree Number 33 – *Vitex lucens*

(Puriri)

Native

Location: 14 Urquhart Street (15 Somme Parade)

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

History:

"A very large specimen, probably planted last century by the Blennerhassett family who lived in the house which stood there right up until 1977." – 1988 assessment.

Visual Comments:

- Very impressive tree.
- Huge basal girth.
- Good form for open grown.
- Profusely flowering and seeding, tui in canopy.
- Good, un-mown section at base protecting the root plate.
- Some sign of mild tip dieback high up. May be a result of a windy spring and summer but probably old age.
- Some ivy starting up the trunk, I pulled it off.
- There is an old rope ladder and swing attached to the trunk and branch.
- The plaque is growing in to the trunk.
- The large branch overhanging the neighbouring property has grown onto and over wooden fence. This could be cut away to allow unrestricted growth for the branch.
- There is some mounding of organic waste at the bottom of the trunk. While this breaks down to be good organic compost for the tree, caution should be given to keeping it clear from touching the trunk and causing collar rot.

Recommendations:

- Re position plaque.
- Cut approx. 200mm "window" in the wooden fence to allow branch to grow unrestricted.
- Spread organic waste under tree.
- If swing is still in use, install a "loop" for the ropes to pass through so they don't rub on the bark and destroy the cambium layer when swing is in motion.

Tree #33 *V. tex lucens*
 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	21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	15
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+	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	15
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						3
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						30
Total Points						198





STEM Evaluation for Wanganui Protected Trees

Tree Number 35 – *Quercus robur*

(Common English Oak)

Exotic

Location: 2 Campbell Street (vacant Palm Lounge lot)

Assessed by: Marc Higgie, Consultant Arborist, 19 February 2013

History:

"The Palm Lounge was the early home of Rev. Richard Taylor, who planted trees at Putiki Mission Station in the late 1850's and early 1860's and is believed to have planted this oak. The year 1973 was the centenary of the death of Rev. Richard Taylor." – Supplied.

Visual Comments:

- The section has been unmaintained since the demolition of Palm Lounge and the tree is crowded with growth around its base.
- Of concern is the ivy which has climbed and spread through 50% of the canopy.
- A *Phoenix canariensis* on the neighbouring section below has nearly reached the branches and will eventually grow through them.
- Some large deadwood present.
- Removal of the undergrowth and tidying the tree would make it stand out and noticeable.

Recommendations:

- Remove ivy growing through canopy.
- Remove undergrowth around trunk and further for viewing the tree.
- Remove lower epicormic growth, deadwood and a light crown thin.



Tree # 35

12

Quercus robur

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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	9
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						57

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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	3
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						
Historic						
• Age 100+						9
• Association						9
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						18
Total Points						120





STEM Evaluation for Wanganui Protected Trees

Tree Number 39 – *Metrosideros excelsa*

(Pohutukawa)

Native

Location: 1D Bell Street (Police Station)

Assessed by: Marc Higgle, Consultant Arborist, 19 February 2013

History:

No history known at this stage.

Visual Comments:

- Tree is impressive specimen with excellent and healthy canopy cover.
- Heavy recent flowering.
- Numerous aerial roots throughout the canopy and a large mass of them in the first branch unions.
- Cars are constantly parked directly under it which will have soil compaction issues but the tree is not showing any sign of stress at the moment.
- 400v and 1100kv power lines run through one side of the tree resulting in a window being pruned around them. This has disfigured the tree considerably but is necessary and the pruning has been good.

Recommendations:

- There are some *Phoenix canariensis* seedlings underneath which will need to be removed or the concrete wall will be compromised and they will grow through the Pohutukawa branches eventually.



Tree # 39

12

Metrosideros excelsa

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	3
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	27
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	27
Subtotal Points						57

Notable Evaluation

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





STEM Evaluation for Wanganui Protected Trees

Tree Number 43 – *Quercus robur*

(English Oak)

Exotic

Location: Keith Street School

Assessed by: Marc Higgle, Consultant Arborist, 22 May 2013

History:

"Planted in 1905 to commemorate the centenary of Trafalgar. Some plane trees planted in the school grounds about 1894 have been felled, sometime since 1937." – 1988 assessment.

Visual Comments:

- This tree is a sad vision of what it once was. It has been severely reduced to large branch stubs that have a mass of epicormic growths.
- Smaller branches on top continue to die back, making safety a concern for school children who use the platform surrounding the tree, daily.
- The tree grows on a pronounced lean due to weather exposure.
- It is now only about 5m tall.
- Past prunings have sealed well but there is one cavity which is weeping and there is decay present.
- There are also some weeping points on undamaged sections of the lower trunk.
- There is little risk of large branch failures as most of their weight has been removed but smaller dead branches are a concern.
- The asphalt court was laid approximately 12 years ago but it is a good distance away from the trunk. No doubt there were some roots cut in the preparation and it may have some cause for the decline but this is minor compared to its old age and the exposure it receives.
- There is some question to its protection status. A much larger tree on the corner of the school grounds, which was thought to have been the protected tree, was removed some years ago. I was supplied with some historical notes courtesy of the school which state: "The oak in the corner of Liverpool and Keith Streets, planted on Trafalgar Day, 1905, has gone, On the Niblett Street corner an oak and several other trees are reaching maturity. They are symbolical of the growth and change which have taken and are taking place in the school."
- The school has roped off the tree until a decision can be reached on the protection status. They are very concerned about the safety factor and would like to remove it and use the space in a manner that memorialises the tree.
- In its present condition it could live in decline for many more years, however the target (primary school children) and use (continuous and daily) are both very high. Therefore safety is a major concern.

Recommendations:

- My recommendation, when considering the safety of school children and teachers, is to remove the tree. A seedling can be grown from this tree to continue the ties to the school if desired.
- The stump could be preserved in situ and used to make a table or put to some other use to memorialise the tree.

- If removal is not an option, pollarding the remaining tree still further and managing subsequent epicormic growth would make it safer. However the shock to the tree will be severe and it may slowly die anyway.

Tree #43 *Quercus robur*
Full Tree Evaluation Score Sheet

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	3
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	9
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						51

has been
7

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	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						39

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						3
• Association						3
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						30
Total Points						120



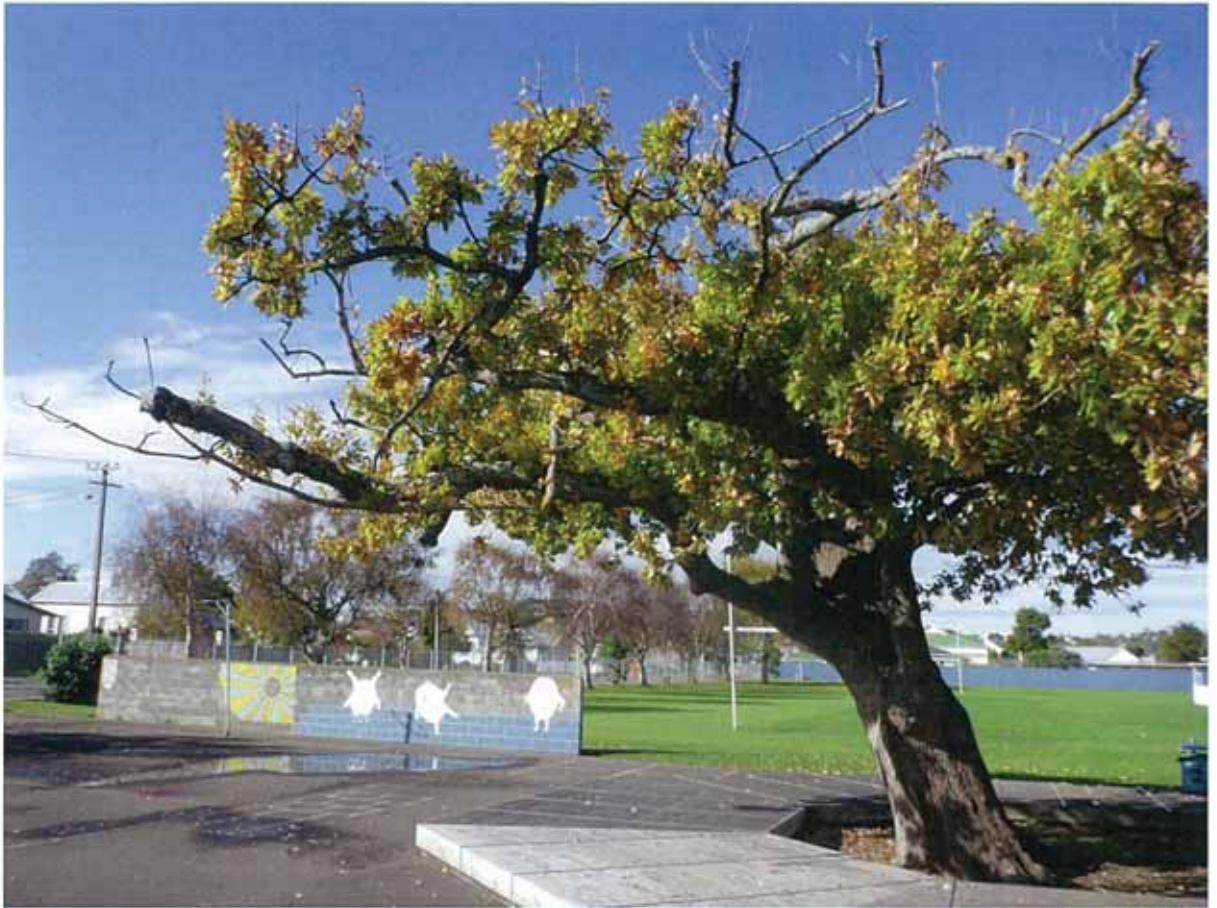
Photo supplied by Keith Street School before reduction pruning took place.

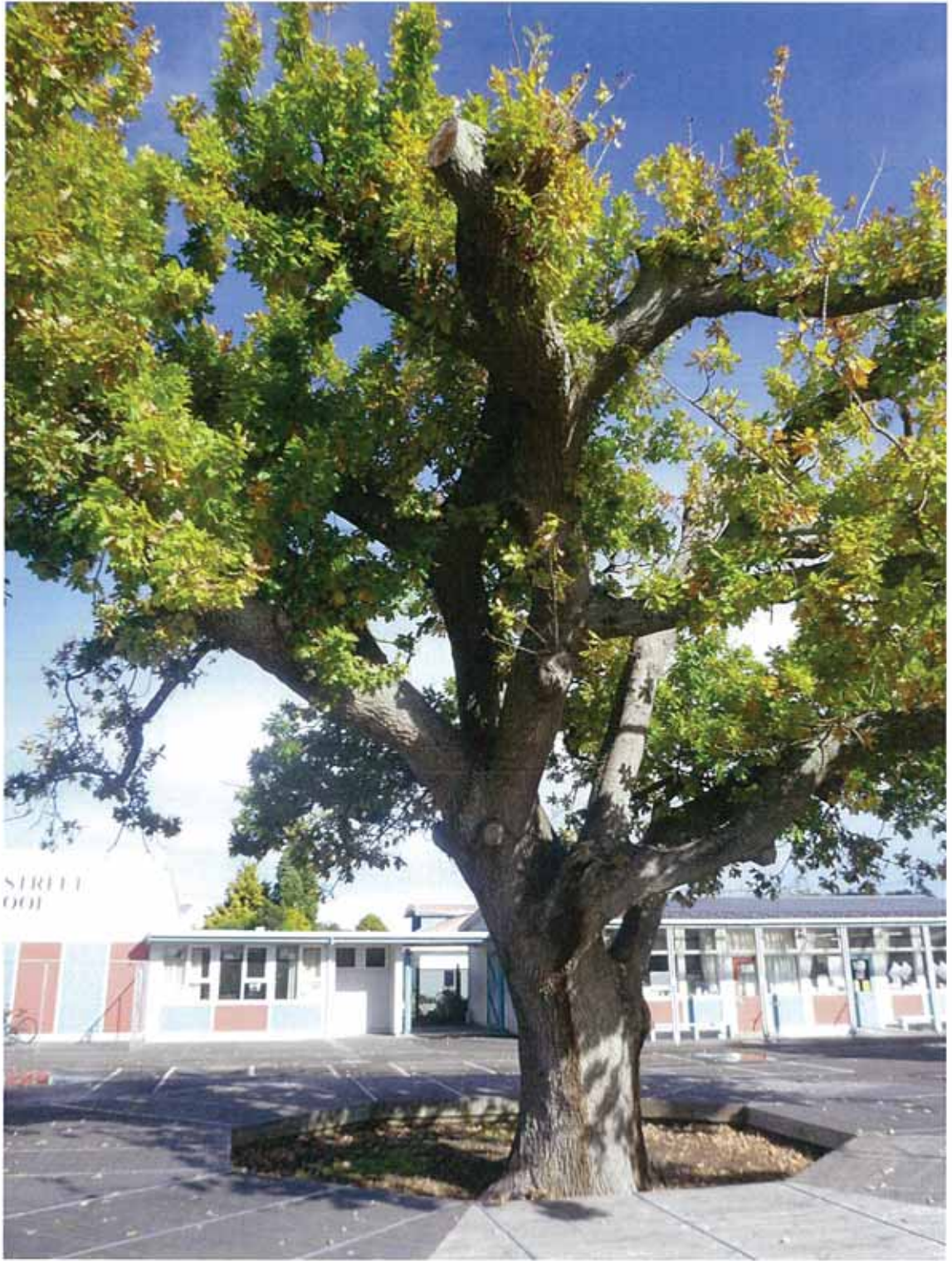


Present day – after reduction pruning.













STEM Evaluation for Wanganui Protected Trees

Tree Number 46 – *Metrosideros excelsa*

(Pohutukawa)

Native

Location: 18 Urquhart Street (15 Somme Parade)

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

History:

None known at this stage.

Visual Comments:

- Very impressive tree.
- Very vertical, single stemmed until 6m. Several leaders and aerial roots may have fused together to create one trunk.
- Appears to have been topped/pollarded in the past. The result is multiple tall and leggy leaders from this pollard point (6m).
- The tree is growing within 1m of motel unit. At the moment there is not sign of any disruption to infrastructure but at this close proximity, I would expect some issues in the future.
- Some of the lower branch tips are rubbing permanently on two units.
- There have been at least two large leaders/branches removed from low down, in the past.

Recommendations:

- The branches rubbing on the motel units should be lifted to give a good clearance.
- A light crown thin and formative prune would allow more light to filter through to units and the recreation area behind.

Tree #46 *Metrosideros excelsa*
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	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+	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	15
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						189





STEM Evaluation for Wanganui Protected Trees

Tree Number 52 – *Metrosideros excelsa*

(Pohutukawa)

Native

Location: 179 Ingestre Street (Cleveland Funeral Home)

Assessed by: Marc Higgie, Consultant Arborist, 7 May 2013

History:

Placed on the protected list to prevent the street corner being modified and the subsequent removal of the tree. – Laura (owner).

Visual Comments:

- The tree has grown very one sided due to the proximity of Tree # 59 *Corymbia ficifolia*.
- One main leader has been removed leaving an untidy stub that needs tidying up.
- There are four remaining leaders.
- The tree is very healthy and is relatively young.
- It had a heavy flowering during the summer.
- There have been some medium branch failure in the past.
- The lower branches are quite pendulous and are growing over the footpath a little.
- The plaque is growing in.
- There are Agapanthus growing at the base.

Recommendations:

- Reposition plaque.
- Remove small hanger and tidy removed leader stub.
- Give a light lift to the lower branches over the footpath.



Tree # 52 *Metrosideros excelsa*

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	9
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	21
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	9
Subtotal Points						51

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						126





STEM Evaluation for Wanganui Protected Trees

Tree Number 59 – *Corymbia ficifolia* (Synonym: *Eucalyptus ficifolia*)

(Red-Flowering Gum)

Exotic

Location: 179 Ingestre Street (Cleveland Funeral Home)

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

History:

Placed on the protected list to prevent the street corner being modified and the subsequent removal of the tree. – Laura (owner).

Visual Comments:

- Large tree but it has been severely disfigured from large branch failures in the March 2012 storm. This has left the tree unbalanced with much weight above the footpath and road.
- Very large basal girth of trunk.
- Branch unions are good and strong at present but these should be monitored for structural integrity.
- Weight reductions above the road could be considered in the future however this should be a last resort as there is little canopy lower on the trunk. Some small branches could be removed.
- There is a lot of epicormic growth from the reduced leader. There is more at the other branch failure and subsequent reduction points.
- There is a lot of epicormic growth from an old cut back leader at ground level.

Recommendations:

- Monitor low branch unions over block wall.
- The epicormic growth from reduction points should be managed in future to ensure weaker growth and attachment doesn't cause failures. This could be by selecting the stronger growths to grow into well shaped branches or by pollarding these points regularly. Pollarding is not an acceptable practice these days, however in this case storm damage has caused the initial pollarding and so long as it was re-pollarded every two years, this would be an option to prevent future safety risks.



Tree # 59 *Corymbia Pictholia*

Full Tree Evaluation Score Sheet

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	3
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
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						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	9
Subtotal Points						51

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						3
• Form						0
Historic						
• Age 100+						3
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						6
Total Points						132





STEM Evaluation for Wanganui Protected Trees

Tree Number 62 – *Grevillea robusta*

(Silky Oak)

Exotic

Location: Road Reserve – Somme Parade opposite Gloucester Street

Assessed by: Marc Higgle, Consultant Arborist, 19 February 2013

History:

No history known at this stage.

Visual Comments:

- Tree is of impressive size for the area.
- Appears to have good past flowerings.
- Has numerous branch failures on the riverside due to wind. One large wound will be an entry point for decay.
- These failures have disfigured the tree but it is not very noticeable from the road and footpath.

Recommendations:

- Stubs from branch failures could be tidied up and give the rest of tree a light formative prune but because of low risk underneath, this is not a priority.
- Ivy is growing up the tree and should be removed.



Tree # 62

12

Crevillia robusta

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	21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	9 9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	15
Subtotal Points						69

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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						114



STEM Evaluation for Wanganui Protected Trees

Tree Number 65 – *Cordyline australis*

(Ti-kouka, Cabbage Tree)

Native

Location: 98 Liverpool Street (just inside front gate)

Assessed by: Marc Higgie, Consultant Arborist, 19 February 2013

History:

"A huge partly rotting specimen, which must date back to pre-European times. Widely used in early times, parts of the tree being useful to the Maori and early European people."

Visual Comments:

- Tree is full of character and charm.
- Main trunk mostly rotted but lots of healthy base growths have ensured its longevity.
- The rotting sections will be great habitat for fauna such as invertebrates and lizards.
- There is a nice variegated specimen of *Metrosideros kermadecensis* right next to it.

Recommendations:

- No work recommended.



Tree # 65

12

Cordyline australis

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	9
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						69

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	3
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						51

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						15
• Association						9
• Commemoration						
• Remnant						
• Relict						9
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						33
Total Points						153



STEM Evaluation for Wanganui Protected Trees

Tree Number 67 – *Alectryon excelsus*

(Titoki)

Native

Location: 18 Urquhart Street (15 Somme Parade)

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

History:

None known at this stage.

Visual Comments:

- Tree has been suppressed by Pohutukawa and a *Laurus nobilis* (Bay tree) and has grown to be an unimpressive, poor form tree.
- It does add value to the other natives planted in the vicinity.
- Good crop of seed.
- Some decay in one branch and from an old pruning wound in first branch union. This union has some decay developing.

Recommendations:

- Monitor branch union for structural integrity. Because it is a small tree the risk is minimal.

Tree #67 *Alectryon excelsus* Titoki
 Full Tree Evaluation Score Sheet

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	3
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. +	21
Subtotal Points						69

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						
Historic						
• Age 100+						
• Association						
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						0
Total Points						114







STEM Evaluation for Wanganui Protected Trees

Tree Number 95 – *Quercus robur* x78

(English Oak)

Exotic

Location: Heads Road (Road Reserve between Carlton Avenue and Guyton Street).

Assessed by: Marc Higgle, Consultant Arborist, 20 June 2013

History:

"The trees flanking this portion of the road give a magnificent avenue type effect. The first of the oaks were planted in 1897 by the Mayor of Wanganui J. Stevenson, to commemorate Queen Victoria's Diamond Jubilee. They are the progeny of the Putiki Oak (Rev. Taylor) which itself was a victim of the cyclone in April 1968 (Wahine Storm).

The Putiki Oak sprang from one of the four acorns sent to missionaries in New Zealand by Queen Victoria to commemorate the death of her husband, Prince Albert, in 1961.

There are two schools of thought as to which tree these were fathered from, one believing that they were acorns from the King's Oak, famous because it was among its mighty boughs that King Charles I hid when pursued by Cromwell after the battle of Worcester in 1651, the other is that they came from one of the Windsor Park Oaks." – 1988 assessment.

Visual Comments:

- Because there are 78 trees in this listing I split the group into three. The two on the Guyton Street side of the roundabout got exactly the same scores so they merged into one group. The group on the hospital side of the roundabout got the same total score but the specific scores were made up differently.
- The comparisons that are made in relation to size, height, form etc. are compared to the trees in this listing and not the bigger and better formed oaks around Wanganui.
- Most of the plaques have either grown in, popped off or are close to.

Block 1 – Trees 1 – 59 (between Liffiton Street and Guyton Street)

- All of these trees have poor form but they are consistent and look good together.
- They are planted too closely to ever reach their true mature shape/form.
- They all look to have been pollarded or topped at some stage and have been left to grow to short, multi-branched spreading trees with no real apical dominant leader.
- Most have numerous pruning wounds and these often have decay of some degree setting in.
- They are all small in size and a failure would generally not cause much damage to infrastructure.
- All have dead wood present in the canopy. Some have more than others and some of it is sizeable and would cause damage if it fell and hit someone or something.
- They all have a good crop of acorns!
- Trees 8, 12, 14, 15, 20, 38, 39, 41, 47 and 50 are smaller, spindly trees which have been suppressed by their neighbours.
- Trees 20 and 21 have ivy growing up their trunks.
- One tree closest to the Guyton Street corner had a major branch failure during the summer and was removed recently.
- Tree 1 – has a large wound at its base and there are cavities and decay in at least two branches.

- Tree 2 – is a nice small tree directly beside a driveway. There is some lower trunk damage and some roading reflectors attached.
- Tree 3 – has a very interesting gnarled and lumpy lower trunk. There is a cavity at the base and a larger, weeping one in the first branch union.
- Tree 4 – is growing on a lean due to being suppressed by Tree 5.
- Tree 6 – has decay present at the top of the canopy.
- Trees 7, 8 and 9 – have significant decay and I would recommend their removal.
- Tree 11 – is one of the better specimens in this grouping.
- Tree 13 – is a large specimen.
- Tree 16 – has two cavities.
- Tree 18 – has a large cavity on top of a pollard point.
- Tree 27 – has a large cavity on a limb over the garden and one smaller cavity in the other leader. Consider removal.
- Tree 28 – There is a small weeping cavity at 2m.
- Tree 29 – is one of the better formed trees.
- Tree 30 – is directly beside a driveway and is lifting the concrete.
- Tree 33 – is a larger tree with a bigger spread.
- Tree 34 – has a large water and humus filled bowl in the first union. There is some rot and there are other cavities in the canopy.
- Tree 35 – has cavities and decay on the main leader.
- Tree 36 – has decay on a limb over the driveway. There is also a large hanger caught in the branches.
- Tree 38 – is a small and spindly tree with fungus growing from a cavity. There are numerous other cavities. The fungus is *Pholiota aurivella*; a poisonous saprobic fungus that lives on decaying wood.
- Tree 39 – is lopsided and on a lean. There is some decay in a cavity 3m up.
- Tree 43 – has a cavity at its base and also 1.5m up.
- Tree 44 – is lopsided and on a lean. There is decay throughout the main trunk. I would recommend its removal.
- Tree 47 – is small and there is a lot of decay throughout the trunk and branches. Part of the trunk has calloused well but I would recommend its removal.
- Tree 50 – is small and there is a lot of decay. I would recommend its removal.
- Tree 52 – has been coppiced and there is 4m high regrowth. It could be a seedling that germinated after the main tree was removed.
- Tree 53 – is a gnarled and squat specimen. It has character.
- Tree 56 – has a large cavity in the main branch union.
- Tree 58 – has had its main leader removed and the remaining tree is leaning and lopsided. There is decay present and I would recommend its removal.
- Tree 59 – is very exposed next to the roundabout and has resulted in a windswept tree. There is a cavity at its base.

Block 2 – Trees 60 – 78 (between Liffiton Street and Carlton Avenue)

- These trees are similar to those in Block 1 but they have slightly better form and are generally larger and more consistent.
- There is dead wood present in all of the trees.
- Tree 62 – is a one sided tree with a very poor property reduction prune which has left large stubs which are dying off and need to be tidied up.
- Tree 64 – is one of the better formed trees in the whole listing.
- Tree 65 – has some large branch failures which have opened up the canopy. There is decay present especially in the remains of one failed leader.
- Tree 66 – is a very poor tree. There is not much remaining and there is decay present. I recommend its removal.
- Tree 67 – has three branch failures which has opened up the canopy on one side.
- Tree 69 – is a poor form tree with cavities and rot. Significant deadwood in canopy.
- Tree 70 – is one sided and with quite a spread over the road. There is some minor decay present.
- Tree 71 – is a lopsided tree being suppressed by Tree 72. There are cavities present.

- Tree 72 – has a tangled, messy interior canopy but is otherwise healthy.
- Tree 74 – has decay present where an old leader has been removed. The decay is fairly extensive and there is a lot of weight on the remaining structure. I would recommend its removal.
- Tree 75 – has old pruning wounds which have calloused well but there are other cavities present. There is also some sizeable deadwood in the canopy.
- Tree 76 – is a large and one sided.
- Tree 77 – has a poor pruning wound and a large stub which should be removed. There is some minor decay present.
- Tree 78 – is an interesting tree with a large branch graft. There is some decay present.

Recommendations:

- There are a number of trees that are beginning to become a safety risk and I recommend their removal. Other trees could also be selectively removed to allow more room for the better formed and healthier trees to grow.
- All trees could do with a deadwood and formative prune.



Tree # 95 *Quercus robur* x 2159
 Full Tree Evaluation Score Sheet

Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	3
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	9
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						63

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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	21
Climate	Minor	Moderate	Important	Significant	Major	15
Subtotal Points						69

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						
• Form						
Historic						
• Age 100+						3
• Association						22
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						57
Total Points						189

Tree # 95 *Quercus robur* x 19
 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	9
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						69

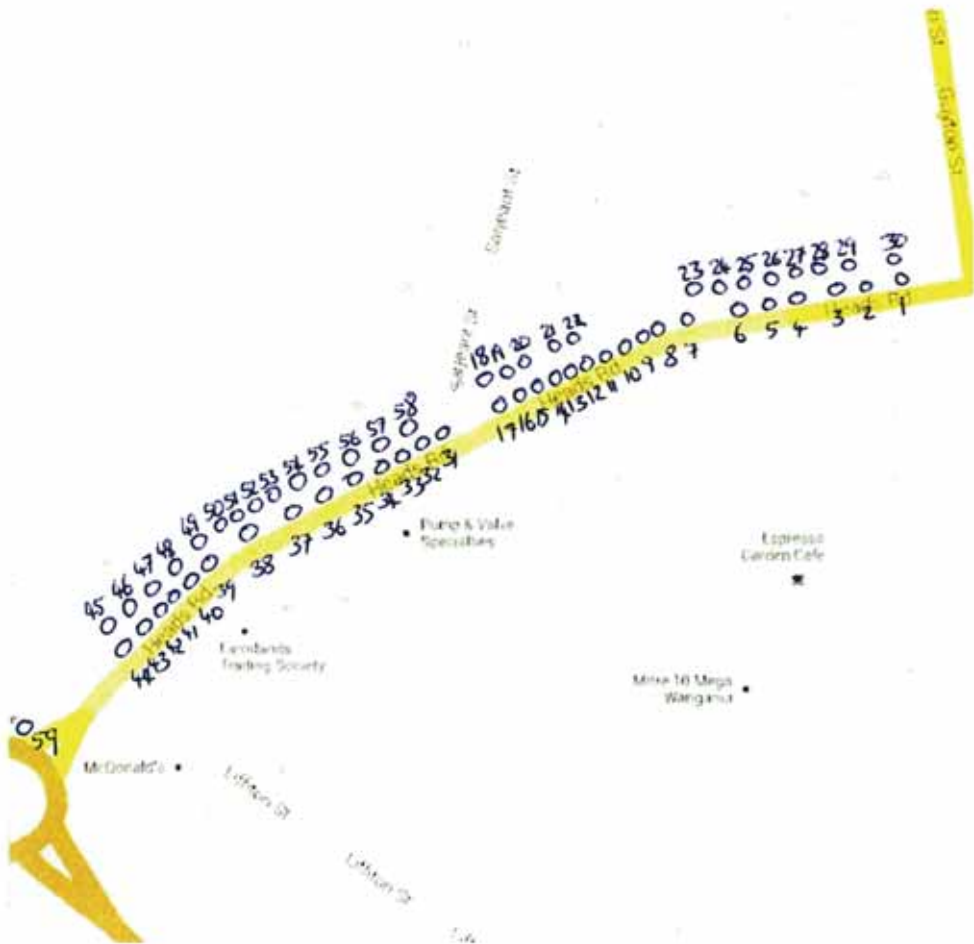
Amenity Evaluation

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	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						
• Form						
Historic						
• Age 100+						3
• Association						27
• Commemoration						27
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						57
Total Points						189

Block One Tree #'s 1 - 59



Block Two Trees #'s 60 - 78



Block One Trees



(Left) Tree 3 and (right) Tree 27.



(Left) Tree 7 and (right) Tree 8.



(Top) Tree 9 and (below) looking towards Guyton Street.



(Top) Looking towards Sargeant Street and (below) looking from Sargeant Street towards Guyton Street.



Looking from Liffiton Street towards Sargeant Street.



Looking towards Liffiton Street.





(Above) *Pholiota aurivella* fungus growing on Tree 38.





Tree 47 showing extensive decay.



(Left) Tree 35 and (right) Tree 34.



(Left) Tree 58 and (right) Tree 13, an example of poor form after being pollarded or topped and then left to grow into a tree again.

Block Two Trees



From Liffiton Street looking towards Carlton Avenue.



(Left) Tree 71 and (right) Tree 74.



Tree 74



(Left) Tree 67 and (right) Tree 66.



Tree 65 showing branch failures and subsequent decay.



(Left) Tree 64 and (right) Tree 62 with stubs over property.



(Left) Tree 78 and (right) Tree 60.



(Top) Looking towards Carlton Avenue and (bottom) looking from Carlton Avenue.