Fraxinus excelsior

Common Ash - Exotic

Location: Rangitatau East Road

STEM Score: 135

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

History:

Planted by the Moore family.

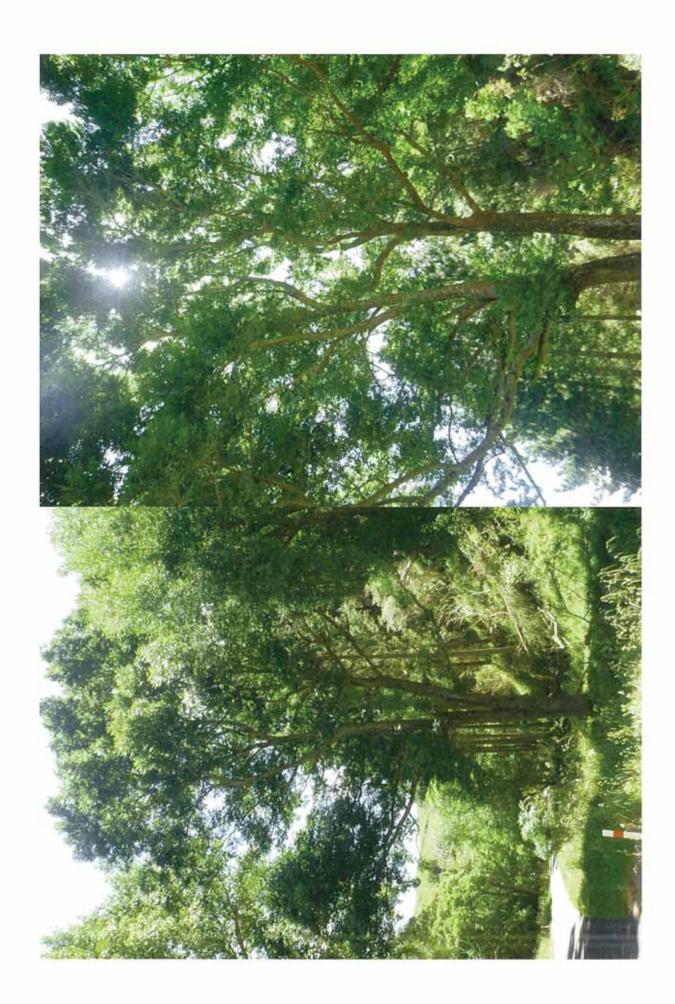
Visual Comments:

- · Impressive tree on the side of the road.
- There are numerous other ash nearby but this is the biggest and better formed tree.
- It is double-leadered from approximately 3m. The union is included but it appears sound and there is good response growth around it.
- The tree has had numerous branch failures on the northern side. This is the side most exposed to the wind and two plantation pines have fallen taking some of the ash branches with them.
- There was minimal decay observed.
- There is some sizeable deadwood in the canopy. This is fairly typical of the species.

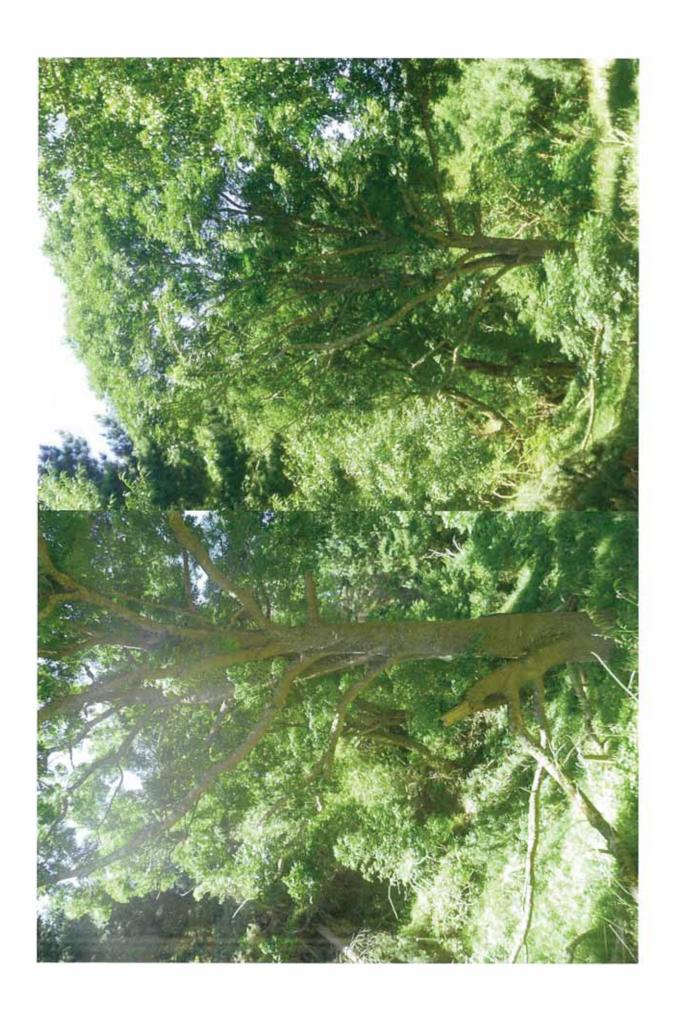


Total Points

Condition Eval	excelsion			16.12	.13	
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Punction	Minor	Uscful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						75
Amenity Evalu	ation 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	40	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
					ļ	45
Subtotal Points Notable Evalu Recognition	Local	District	Regional	National	International	45
Subtotal Points Notable Evalu Recognition Points		District 9	Regional 15	National 21	International 27	45
Subtotal Points Notable Evalu Recognition Points	Local		and the second second	200000000000000000000000000000000000000		45
Subtotal Points Notable Evalu Recognition Points Stature	Local		and the second second	200000000000000000000000000000000000000		Score
Subtotal Points Notable Evalu Recognition Points Stature • Feature	Local		and the second second	200000000000000000000000000000000000000		Score 9
Notable Evalu Recognition Points Stature Feature Form Historic	Local		and the second second	200000000000000000000000000000000000000		Score 9
Notable Evalu Recognition Points Stature Feature Form Historic Age 100+	Local 3		and the second second	200000000000000000000000000000000000000		\$5000 Score
Notable Evalu Recognition Points Stature Form Historic Age 100+ Association	Local 3		and the second second	200000000000000000000000000000000000000		\$5000 Score
Notable Evalu Recognition Points Stature Feature Form Historic Age 100+ Commemorat	Local 3		and the second second	200000000000000000000000000000000000000		\$5000 Score
Notable Evalu Recognition Points Stature Feature Form Historic Age 100+ Sassociation Commemorat Remnant	Local 3		and the second second	200000000000000000000000000000000000000		\$5000 Score
Notable Evalu Recognition Points Stature Feature Form Historic Age 100+ Association Commemorat Remnant Relict Scientific	Local 3		and the second second	200000000000000000000000000000000000000		45 score
Notable Evalu Recognition Points Stature Feature Form Historic Age 100+ Association Commemorat Remnant Relict Scientific Source	tocal 3		and the second second	200000000000000000000000000000000000000		45 score







Fagus sylvatica - 18 trees

European Beech - Exotic

Location: Rangitatau East Road

STEM Score: 123

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

History:

Planted by the Moore family.

Visual Comments:

- These 18 trees create a beautiful "tree tunnel" lining one side of the road. Tree ferns opposite
 complement and enhance the effect of driving through.
- Most of the trees have good form and structure.
- All of the canopies are healthy with little decay observed.
- Most of the trees have had road lift prunes done with mostly good pruning cuts.
- Four banana passionfruit seedlings were found and pulled but I suspect there are more in the vicinity.
- The redwoods behind the beeches further add to the effect and provide good shelter to the site.
- There is a nice horizontal elm nearby also.

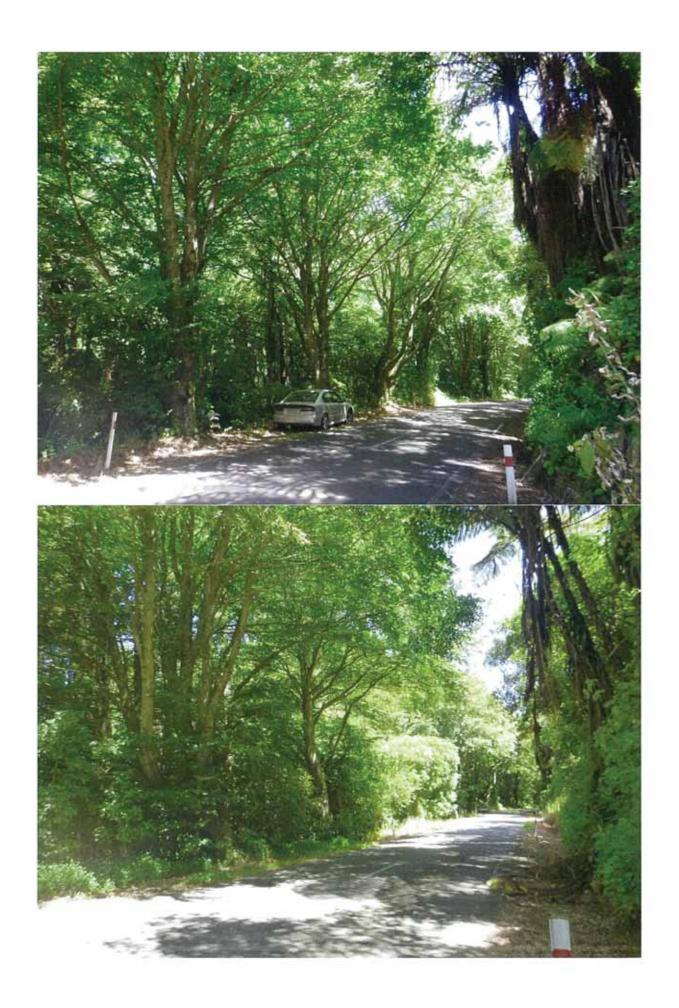
Francis	sylvatica	× 18		16		
Condition Eval	luation					
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Uscful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27 2
Subtotal Points					100/12.	75

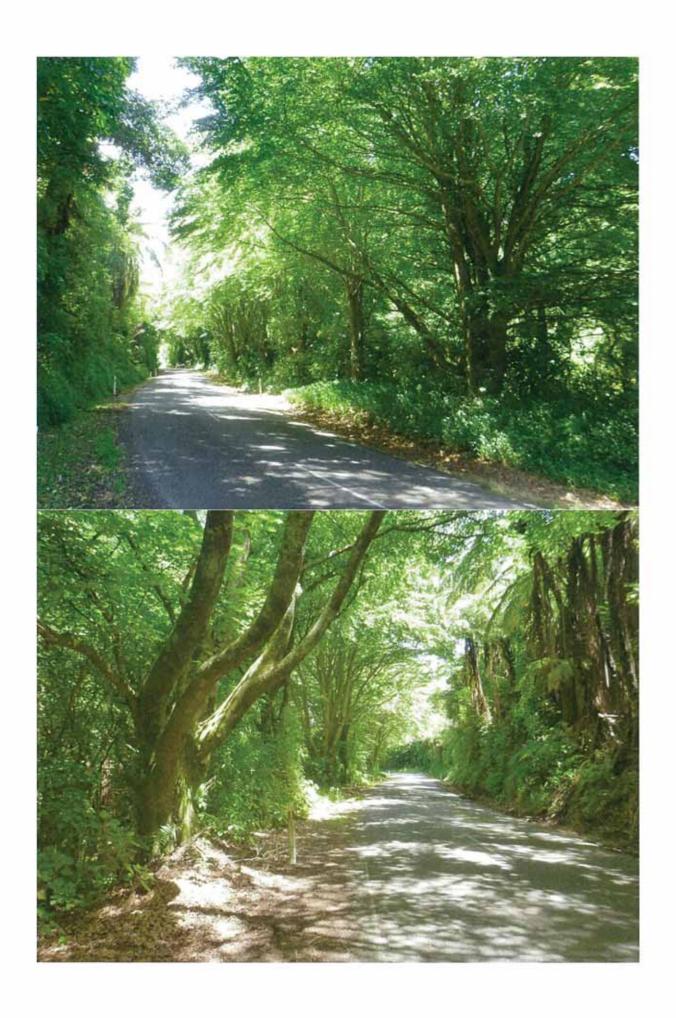
Amenity Evaluation

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	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						45

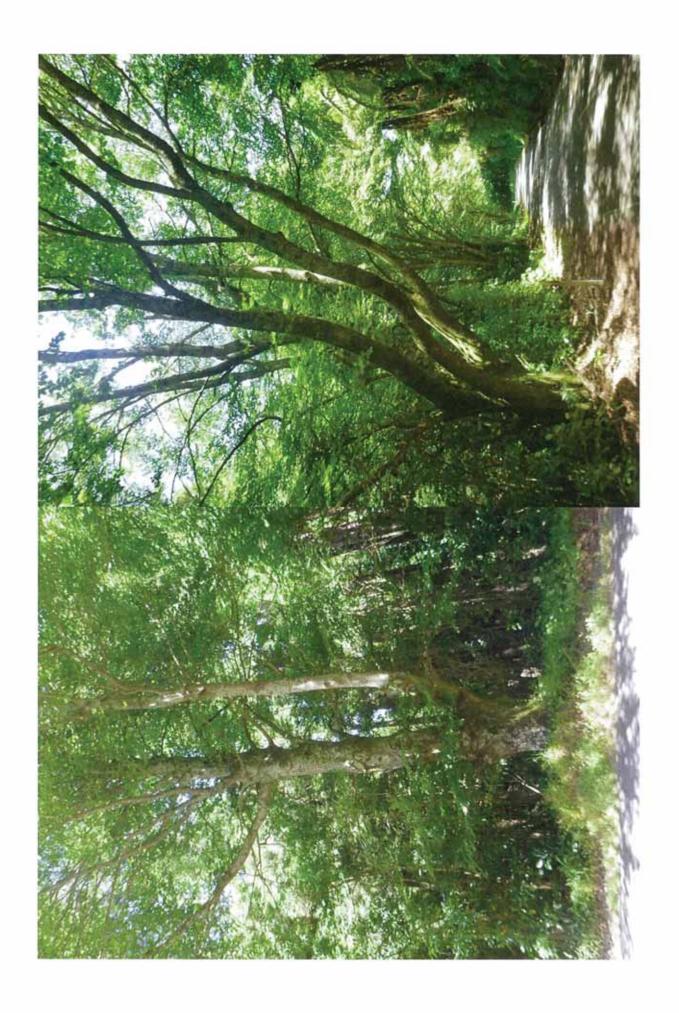
Notable Evaluation

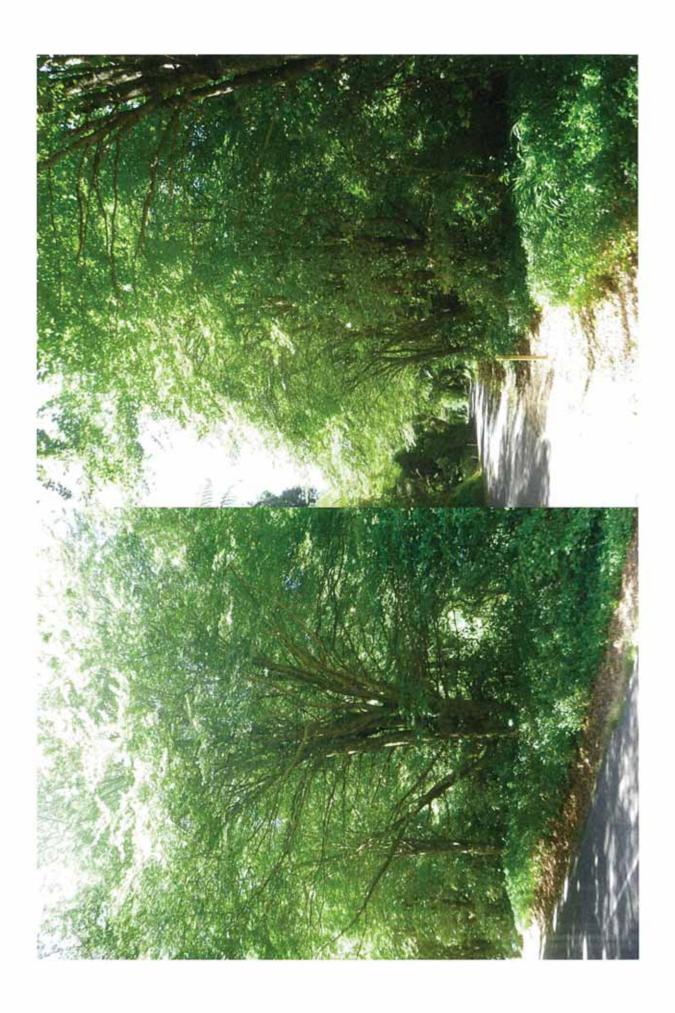
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature • Feature						
• Form						
Historic • Age 100+						
 Association 						3
Commemora	tion					_
• Remnant						
Relict						
Scientific Source						
• Rarity						
Endangered						
Subtotal Points						3
Total Points						123

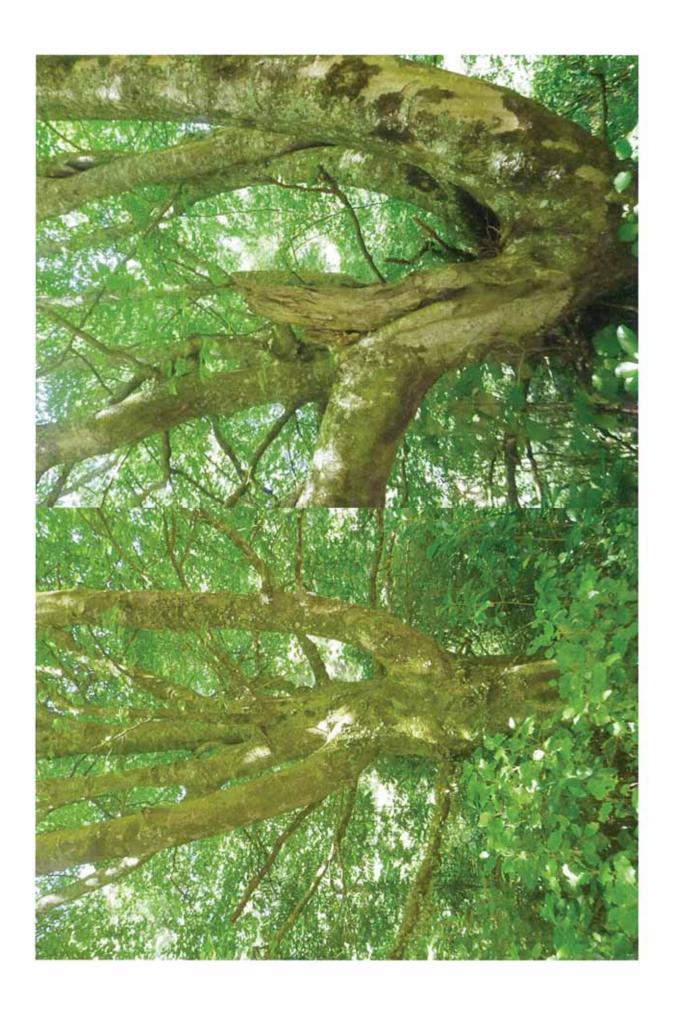


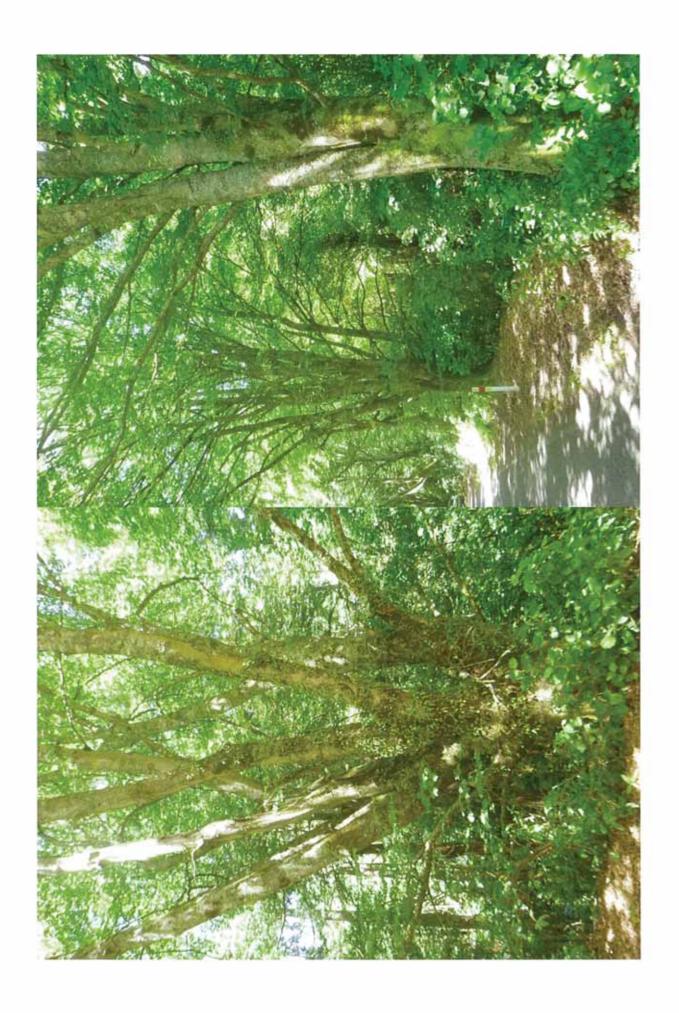












Cercis siliquastrum

Judas Tree - Exotic

Location: Bushy Park

STEM Score: 81

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

History:

Planted in 1925 by Frank Moore, the original owner of Bushy Park. This tree is also on the New Zealand Notable Trees Register.

Visual Comments:

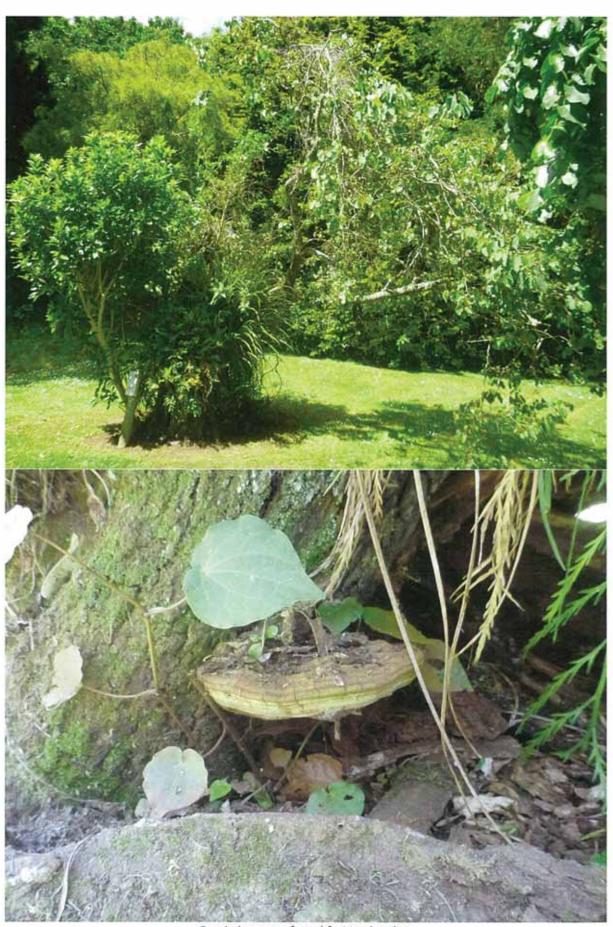
- This tree would have once been spectacular but is now very much on its last legs and.
- There is only ones small branch and an epicormic growth which remain alive.
- · The remaining stump is extremely decayed and fragile.
- There are Colospermum sp., native orchids and epiphytic ferns cover the decaying stump.
- There are also seedling Fraxinus sp. (Ash) and a Coprosma sp. growing from the stump.
- · Some mahoe grow around the stump.
- There has been a *Muehlenbeckia sp.* vine growing through the canopy but this has been cut, leaving the dead vine in the canopy.
- A fungal fruiting bracket from a Ganoderma sp. is growing at the base of the stump and signifies the
 demise of the tree. It will continue to decline and die.

Recommendations:

- There is nothing that can be done to save or prolong the life of this tree, monitoring it for its eventual collapse is all that is necessary.
- If the stump becomes too unstable and dangerous it may become necessary to remove it before it falls. However, there is so little canopy that it does not pose much threat.

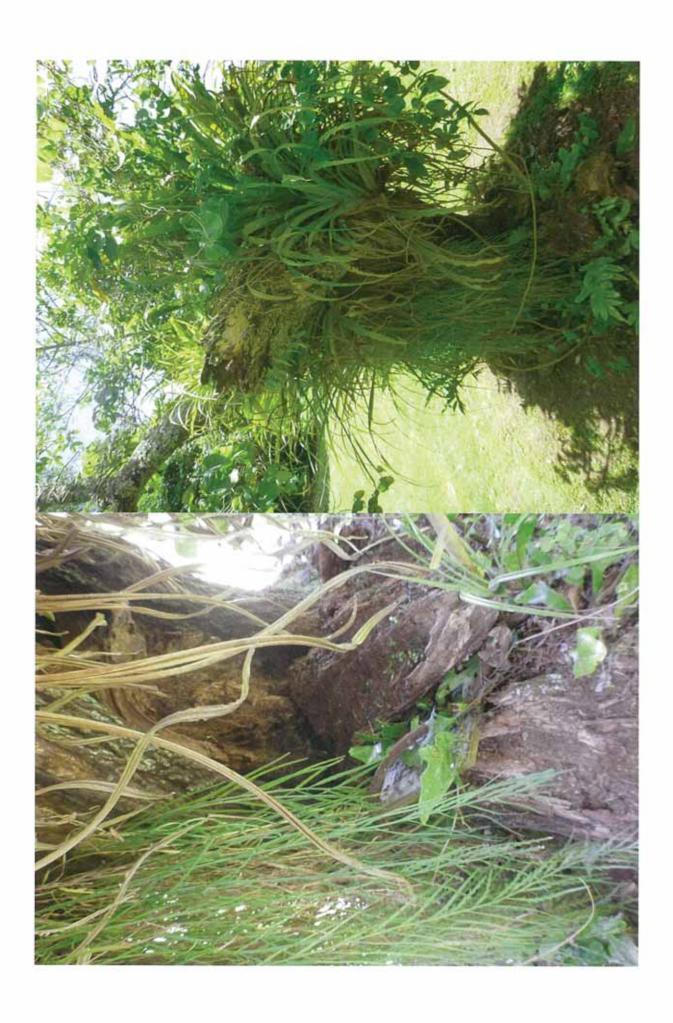
Total Points

Condition Eval	Sil:quas	trum			16.12.13	
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	3
Punction	Minor	Uscful	Important	Significant	Major	3
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	¥ 2
Subtotal Points						345
Amenity Evalua		100			97	
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	15
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points	Transact.		important	Significan	major	27
		District	Regional 15	National 21	International 27	
Subtotal Points Notable Evalua Recognition Points Stature • Feature	ntion Local	District	Regional	National	International	27
Subtotal Points Notable Evalua Recognition Points Stature	ntion Local	District	Regional	National	International	27
Subtotal Points Notable Evalua Recognition Points Stature • Feature	ntion Local	District	Regional	National	International	27
Notable Evalua Recognition Points Stature Feature Form Historic	ntion Local	District	Regional	National	International	Score
Notable Evalua Recognition Points Stature • Feature • Form Historic • Age 100+	tion Local 3	District	Regional	National	International	27 Score
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Association	tion Local 3	District	Regional	National	International	Score
Notable Evalua Recognition Points Stature • Feature • Form Historic • Age 100+ • Association • Commemoration	tion Local 3	District	Regional	National	International	Score
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Commemoration Remnant	tion Local 3	District	Regional	National	International	Score
Notable Evalua Recognition Points Stature Form Historic Age 100+ Commemoratio Remnant Relict Scientific	tion Local 3	District	Regional	National	International	Score
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Association Commemoration Remnant Relict Scientific Source	tion Local 3	District	Regional	National	International	Score



Gandoderma sp. fungal fruiting bracket.





Metrosideros excelsa

(Pohutukawa) - Native

Location: 27 Riverbank Road

STEM Score: 171

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

History:

None known at this stage.

Visual Comments:

- Impressive tree growing close to a holm oak (Quercus ilex).
- Because of this, the tree is one sided but together the two trees form a well-shaped, two-tone canopy.
- Great branch/stem network.
- There is one large cavity/split that would need closer inspection to determine the risk of failure.
 Removal of the affected branch would leave a hole but not a noticeable one.
- · One large limb was recently removed to allow light to a neighbours property.
- There is an old tree hut at approximately 3m. It is crowing into some of the leaders and possibly constricting growth.
- · There are mature aerial roots snaking down the leaders to the ground.

Recommendations:

Monitor and/or climb to inspect split branch union.



Metrosideros excelsa Condition Evaluation			12.11.13			
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	Uscful	Important	Significant	Major	15
Age (yr)	10yrs. +	20угз. +	40утз. +	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	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	915
Climate	Minor	Moderate	Important	Significant	Major	15
Subtotal Points			. Seculiar radio			69

Notable Evaluation

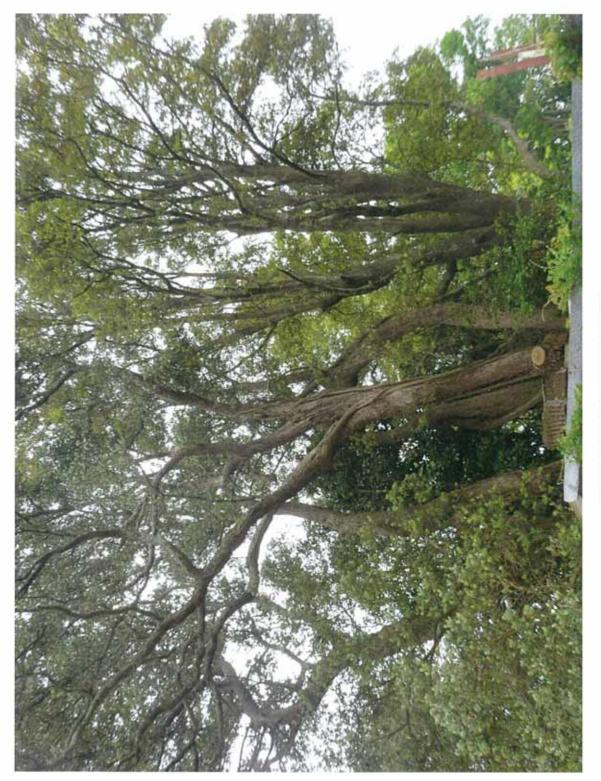
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature • Feature						3
• Form						3
Historic • Age 100+						3
Association						_
Commemora	tion					
• Remnant						_
• Relict				TOWN IS NOT		
Scientific • Source						
• Rarity						
 Endangered 						
Subtotal Points						9
Total Points					-1	171











Pohutukawa on left, holm oak on right.

Quercus ilex

(Holm Oak) - Exotic

Location: 27 Riverbank Road

STEM Score: 156

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

History:

Planted in early 1880's by W. Parnell for the owner J. Paul.

Visual Comments:

- Lovely big holm oak growing close by a big pohutukawa and resulting in a beautiful, two-tone canopy.
- One large leader recently removed at ground to allow more light for a neighbour. This has unbalanced the tree somewhat. The leader hasn't had its finishing cut to leave a tidy and clean cut.
- There are two remaining main leaders from approximately 2m.
- · The tree is well branched and spreading.
- Two old failures have left cavities but response growth is good and decay appears minimal. The rest of the canopy is healthy.
- · There are copious seedlings at the base of the tree.
- The tree may have been topped at an earlier age and has now grown out. Some resulting stems are a little lions tailed.
- There are numerous other mature specimen trees on the property, including: Magnolia grandiflora, Araucaria heterophllya (Norfolk pine), Quercus robur, Metrosideros excelsa (pohutukawa), Sequoia sempervirens (redwood).

Recommendations:

Remove final portion of felled leader leaving a clean cut.

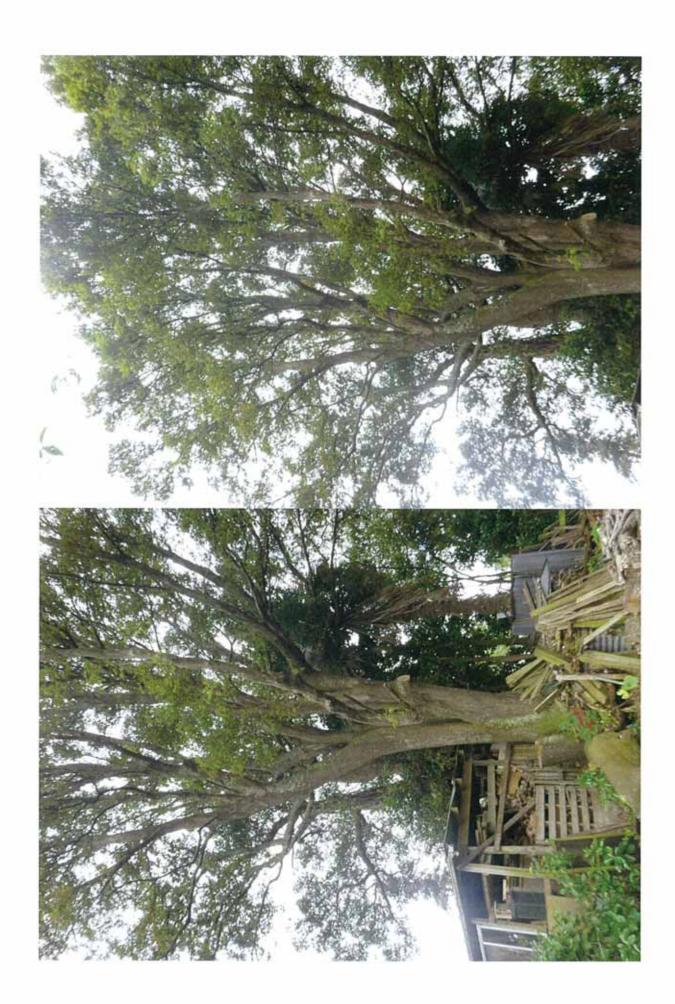
Onercus (lex Condition Evaluation				12.11.13			
Points	3	9	15	21	27	Score	
Form	Poor	Moderate	Good	Very good	Specimen	15	
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15	
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15	
Function	Minor	Useful	Important	Significant	Major	9	
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27	
Subtotal Points						81	

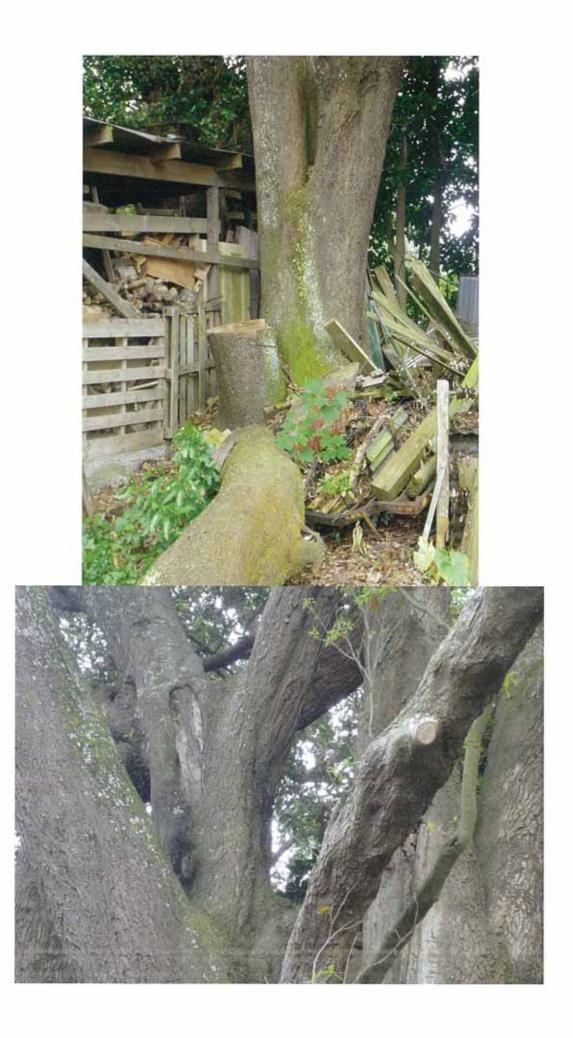
Amenity	Lva.	luation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
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						3
• Form						3
Historic • Age 100+						3
 Association 						3
Commemora	tion					0
• Remnant						_
• Relict						
Scientific • Source						
• Rarity						
 Endangered 						
Subtotal Points						写17
Total Points						156





Quercus ilex

Holm Oak - Exotic

Location: Fordell Preschool

STEM Score: 189

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

History:

None known at this stage.

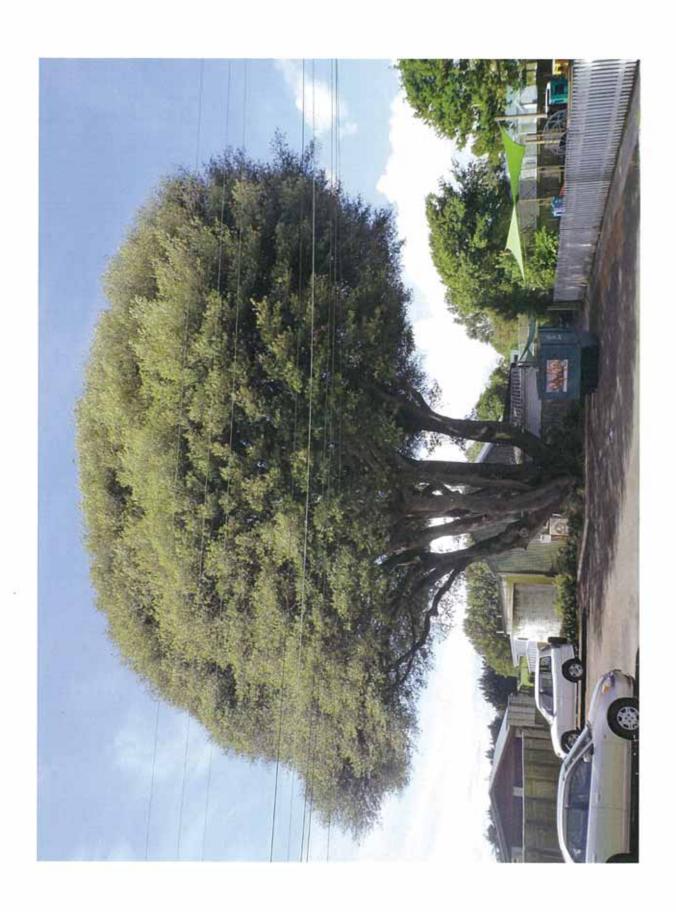
Visual Comments:

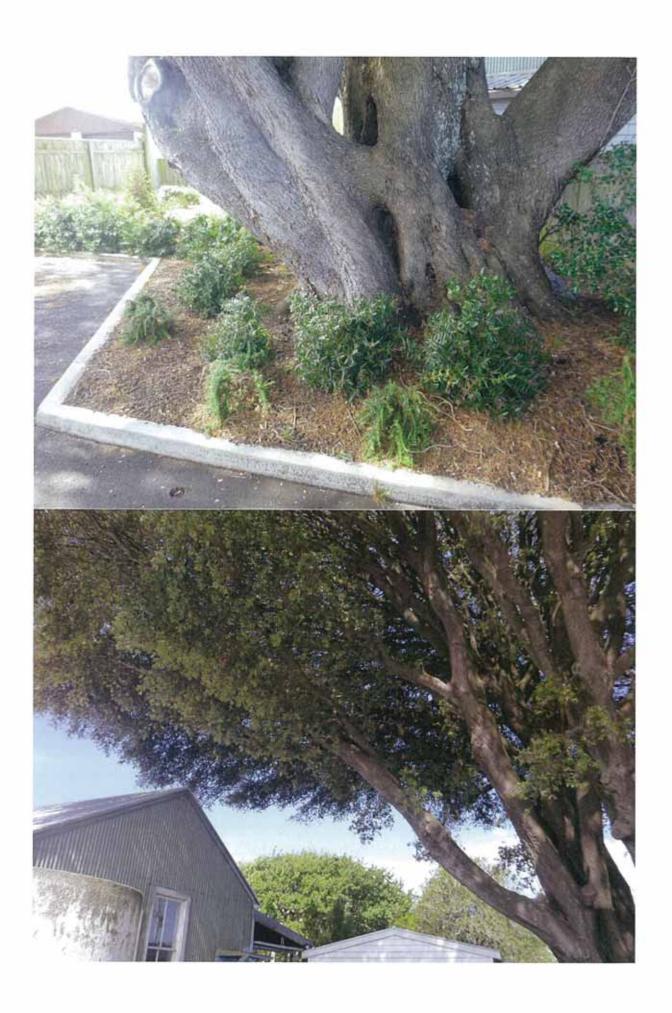
- A massive and stunning tree.
- It is multi leadered from 1m and has a very busy network of spreading branches in the canopy.
- It had a significant crown lift some years ago when the preschool took over the grounds. This pruning
 has misshapen the tree leaving it with a pom pom like appearance.
- · Wound response has been good.
- A new sealed carpark with concrete curbing was installed approximately four five years ago. The
 curb is 1m away from the base of the trunk on one side. The tree hasn't shown sign of decline or
 stress although it is certain that some root pruning would have taken place.
- Ivy has been removed from the trunks but it is still alive at the base.
- · There are some small basal suckers.
- The canopy is very healthy.
- There are some heavy, over extended branches over the preschool buildings. Unions and structures
 are good and strong but monitoring is recommended.
- Last year the fungus, Scleroderma sp. was identified to be growing on the roots of the tree. It is a
 poisonous ectomychorrizal fungus that cannot be controlled without removing the tree. It is lifting the
 newly sealed carpark and causing concern for the preschool through this and it's management around
 children.

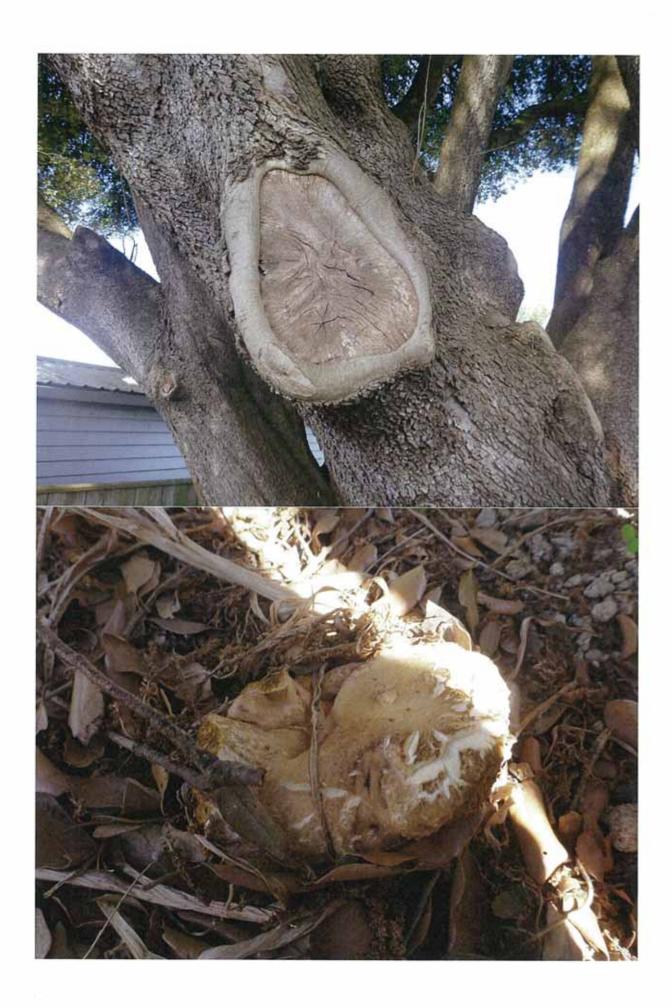
Recommendations:

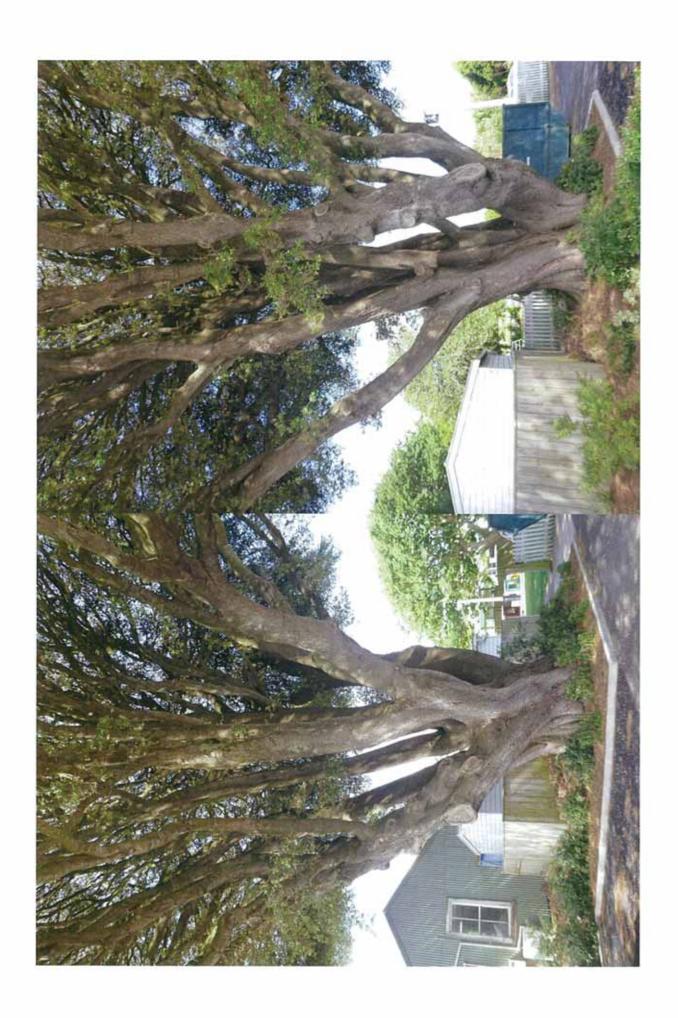
- Monitor and if deemed necessary, consider an end weight reduction over the preschool buildings.
- Develop a management plan for dealing with the fungus during the time when fruiting bodies are present.

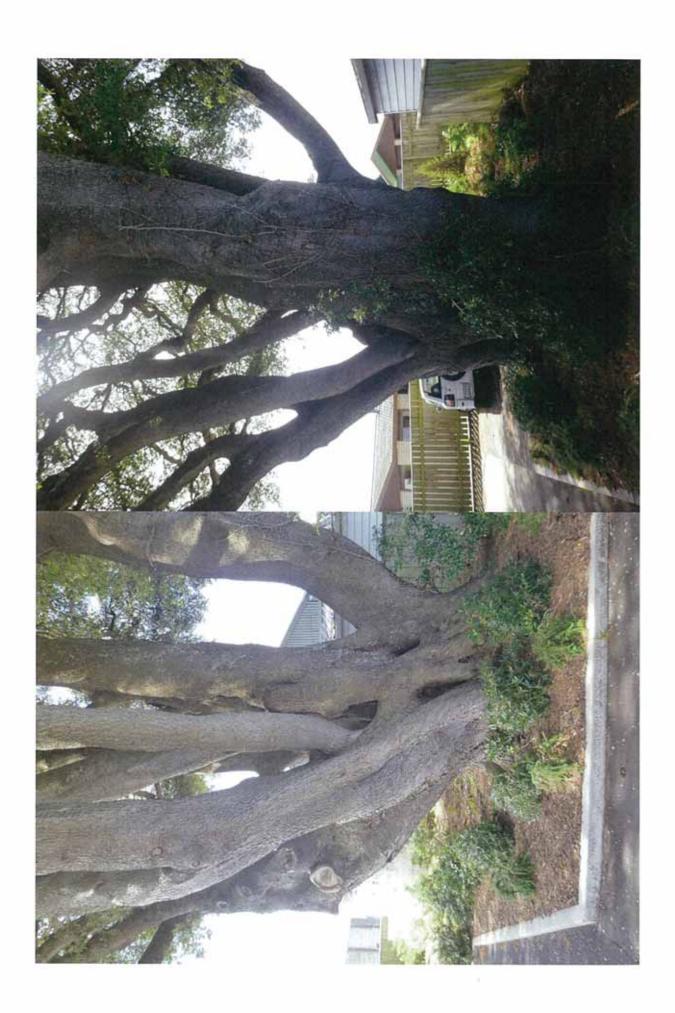
	luation	0240			6.12.13	10
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	21
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						193
Amenity Evalu: Points	ation 3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	
Visibility (km)	0.5	10	2.0	40	8.0	27
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	3
Role	Minor	Moderate	Important	Significant	Major	_
Climate	Minor	Moderate	Important	Significant	Major	15
						175
Subtotal Points Notable Evalua Recognition Points	Local	District	Regional	National	International	l Se
Notable Evalua Recognition Points	100000	District 9	Regional 15	National 21	International 27	Score
Notable Evalua Recognition Points Stature	Local			0.0000000000000000000000000000000000000	20,000,000,000	Score 9
Notable Evalua Recognition Points Stature • Feature • Form	Local			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic	Local			0.0000000000000000000000000000000000000	20,000,000,000	Score 9
Notable Evalua Recognition Points Stature Form Historic Age 100+	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Association	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Commemoration	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Commemoratio Remnant	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Commemoratio Remnant Relict	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Association Commemoration Remnant Relict Scientific	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Commemoration Remnant Relict Scientific Source Rarity	Local 3			0.0000000000000000000000000000000000000	20,000,000,000	Score 9 3











Eucalyptus globulus - approx. 50 trees

Tasmanian Blue Gum - Exotic

Location: SH3, opposite WDC water reservoirs.

STEM Score: 138

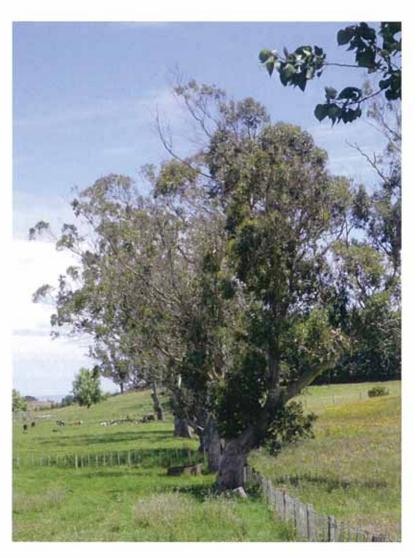
Assessed by: Marc Higgie, Consultant Arborist, 18 December 2013

History:

A row of trees planted by early colonialists.

Visual Comments:

- A long row of trees fairly irregular in spacing, form and structure. Some windswept trees.
- · There is stag heading present in many of the trees. This is typical of mature trees of this species.
- The row is a good food source for birds and bees and it is a good "green" corridor for other wildlife
 also.



Full Tree Evaluation Score Sheet

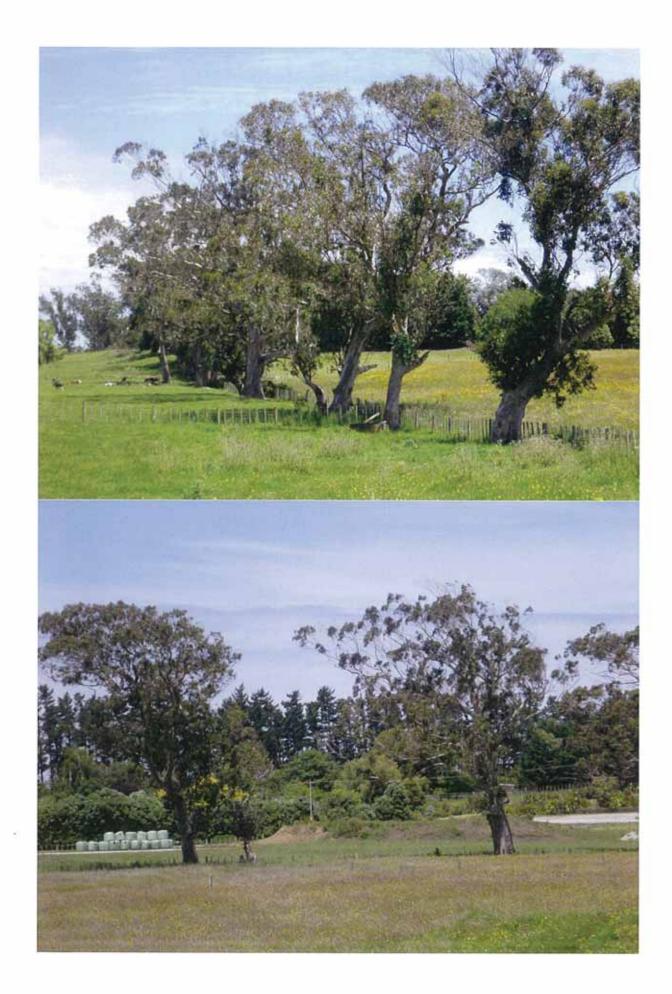
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	19
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	19
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27

Amenit	v Eval	nation
· markerine	J Auta	wanti

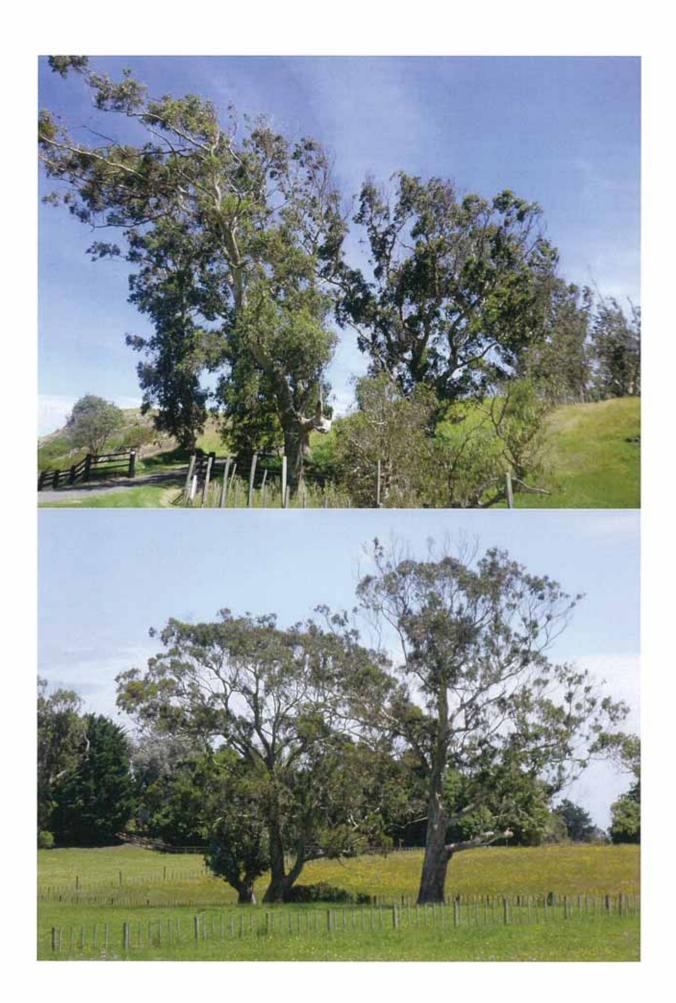
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	315
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	19
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						52

Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature					1.70	_
Feature						
• Form						
Historic					-	
* Agc 100+						3
 Association 						3
 Commemorar 	tion					
• Remnant						
Relict						
Scientific						_
Source						
• Racity						
 Endangered 						
Subtotal Points						6
Total Points						138









STEM Evaluation for:

Agathis robusta

(Queensland Kauri) - Exotic

Location: Arles, SH4

STEM Score: 261

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

History:

None known at this stage.

Visual Comments:

- Stunning specimen in excellent health.
- Southern most mature species known and one of the biggest in New Zealand.
- A massive trunk with good root flare and garden around it protecting roots.
- Lawn approximately 3m away.
- · Tree is a little windswept with upriver branches tending to be larger and longer.
- Some branches are turning apical.
- It was difficult to observe the main growth tip but it appears healthy.
- Trunk diameter reduces significantly at approximately 13m where there are some large diameter branches.
- SH4 is approximately 4m away.
- There is a large exposed root on the roadside of the tree. It has had some damage but there is minimal decay.
- The removal of a nearby oak has made the kauri a great focal point from the house.



Full Tree Evaluation Score Sheet

Agath.s Condition Eval	robusta		17	2.11.13		
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100угя. +	27
Subtotal Points						117

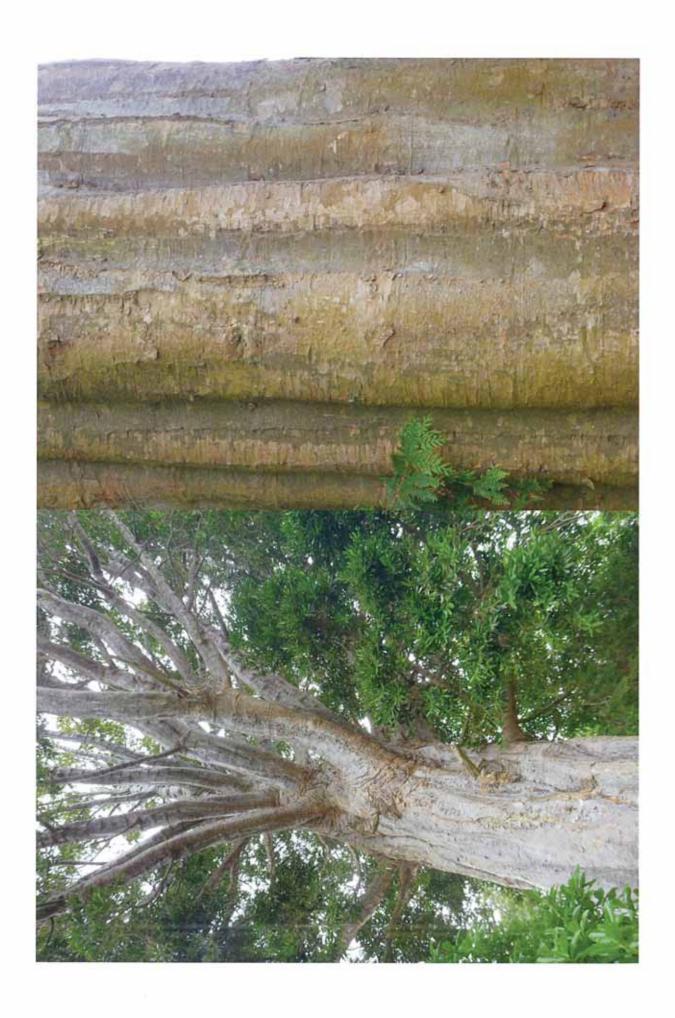
Amenity Evaluation

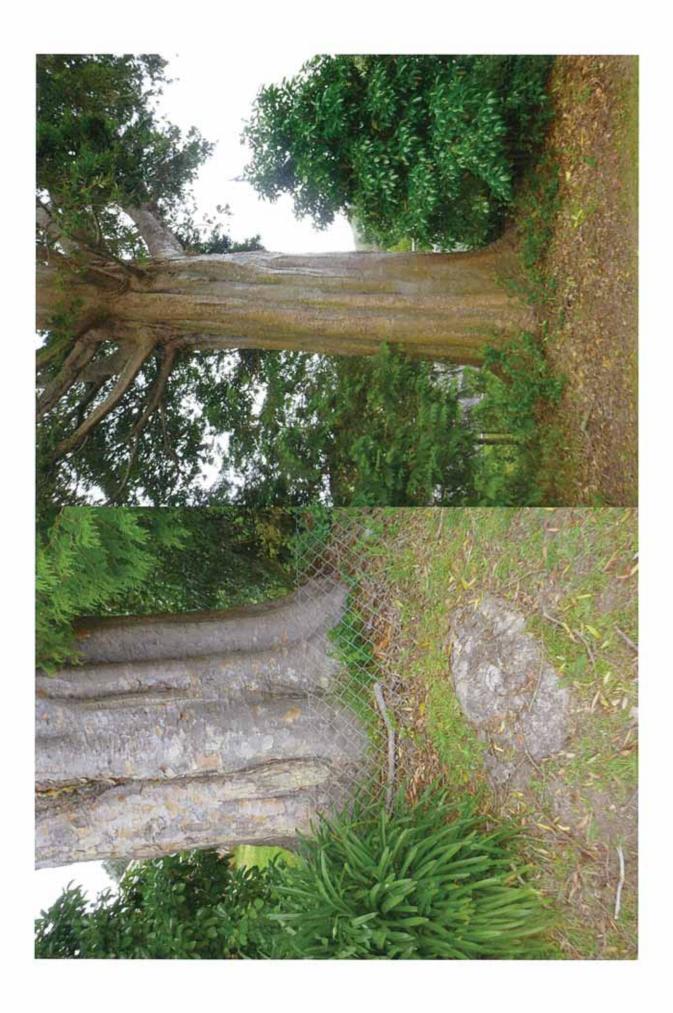
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
Visibility (km)	0.5	1.0	2.0	4.0	8.0	9
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	21
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						81

Notable Evaluation

Recognition Points	Local 3	District 9	Regional	National	International	Score
		,	15	21	27	
Stature						1
Feature						21
• Form						21
Historic						
* Age 100+						21
 Association 						-1
Commemora	tion					_
• Remnant						
• Relict						_
Scientific						
Source						
• Rarity						
 Endangered 						-
Subtotal Points			-			63
Total Points						_
TOTAL POINTS						24







STEM Evaluation for:

Platanus X hispanica

London Plane - Exotic

Location: Atene

STEM Score: 195

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

History:

Planted by Reverend Richard Taylor in 1843. It grows at the Atene Urupa but is unknown if it was an urupa when the tree was planted.

Visual Comments:

- This massive tree would have possibly been amongst the best examples of London plane in the country but it was cut down to a 4m stump in the winter of 2013.
- There is no sign of any rot or decay whatsoever in the trunk, basal area, root flares or on either side of the cut timber (remaining stump and felled logs).
- Although not all the tree was there, I could find no evidence of natural branch failures or other defects.
- Some of the felled timber was swept away by the river in a flood but some still remains on site.
- The remaining stump has poorly cut stumps left which should be re-cut to leave a smooth, clean cut.
- There is a lot of epicormic growth from the cuts and at points below on the trunk. These could be thinned out eventually to form a "new" tree.
- There is an older, more established epicormic, at the base of the tree which could also be left to grow into a new trunk of the tree.
- Very good root flare and a very interesting lower trunk.
- The timber is tapu and cannot be used for anything but I understand that it may be used within the
 urupa. If it were treated it could be used to re-fence the urupa, a bench seat within the urupa and
 untreated it could be used for coffins.
- A cutting could be taken from the epicormic growth to grow and once established, plant in a different site to ensure the longevity of the tree and its history.
- Though the tree has been cut down and scored low on form, size and visibility attributes, it still scored high on the assessment.
- Given the lack of decay present, I would have expected the tree to live, in its un-felled condition, for another hundred or more years and there is no reason why it still won't be able to.

Recommendations:

After leaf fall in 2014:

- · Re-cut the stumps to leave a clean cut.
- Begin thinning out epicormic growths but leaving approximately 60% to continue to support the tree.
- Leave already established basal epicormic growth to grow into a new leader of the tree.
- Take cuttings from the pruned epicormic growths.

2015 and onwards:

- Continue gradually thinning out epicormic growths, leaving the stronger, more apical shoots to grow into a new tree. In around 10 years, aim to have around five leaders growing on.
- · Maintain these leaders and the already established basal epicormic growth as if a young tree.
- · Plant out the established cutting(s) in a suitable site.

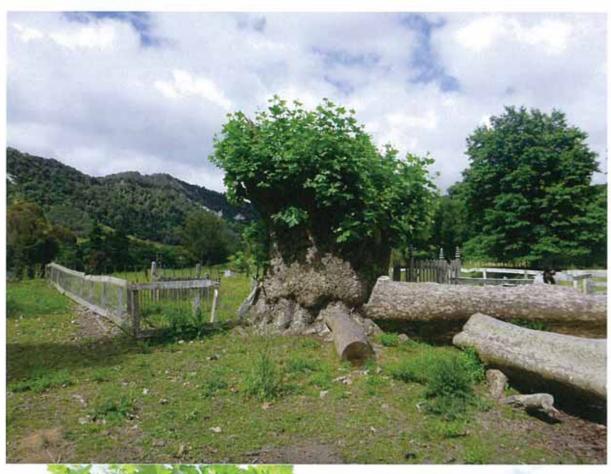
Full Tree Evaluation Score Sheet

Platanus Condition Eval	× hispo	anica			18.12.13	
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	Uscful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points		12-22				169

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	27
Role	Minor	Moderate	Important	Significant	Major	77
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points		Moderate	important	Significant	мајог	16

Notable Evaluation

Local 3	District 9	Regional 15	National 21	International 27	Score
					21
					15
					21
ion					-1
					-
					_
					777
					57
					195
	3	3 9	3 9 15	3 9 15 21	3 9 15 21 27





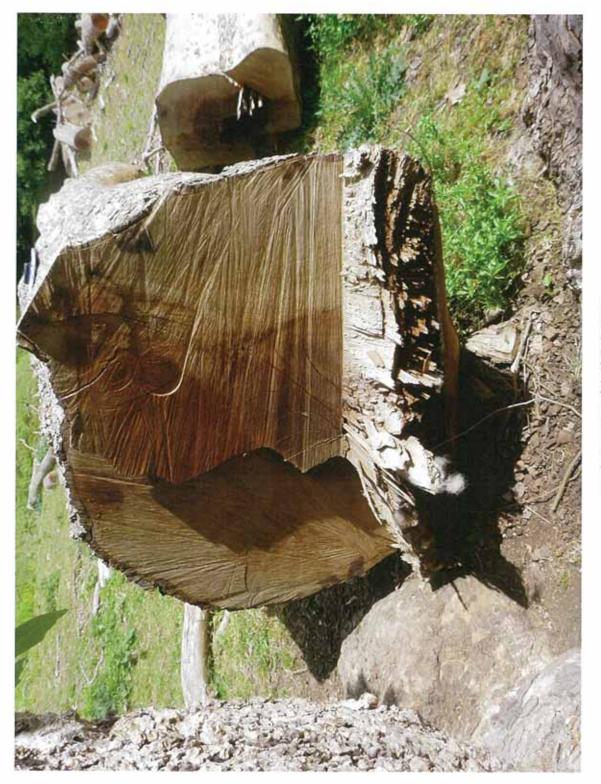


Sap stain (no decay) due to felled leader.









No decay in any of the felled pieces.

STEM Evaluation for:

Juglans regia

English Walnut, Persian Walnut - Exotic

Location: Atene

STEM Score: 264

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

History:

Planted by Reverend Richard Taylor in 1843.

Visual Comments:

- · A massive and stunning tree set beside the road and below the marae.
- The biggest walnut I have seen and probably amongst the biggest in New Zealand.
- The huge butt log supports multiple, very large leaders.
- It is a well formed and spreading tree.
- There are no major failures and the canopy is very healthy.
- There is some deadwood and stubs present but this is minimal.
- There are some cavities in the canopy.
- Some exposed roots are visible with a cavity and other minor damage. It does not appear to be
 affecting the health of the tree.
- There is some wire grown in around branches in at least two locations. Presumable they were to suspend objects.

Recommendations:

 Only lightly stock pasture around the tree to prevent damage to lower trunk and exposed roots and lessen soil compaction.

Full Tree Evaluation Score Sheet

Total Points

Condition Eval	region				13.12.1	3
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	15
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						105
Amenity Evalua Points	ation 3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	27
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	9
						81
Subtotal Points Notable Evalua Recognition	ition Local 3	District	Regional 15	National 21	International	81
Subtotal Points Notable Evalua Recognition Points	Local		Regional 15	National 21		81
Subtotal Points Notable Evalua Recognition Points Stature	Local		2000		International	Score 21
Subtotal Points Notable Evalua Recognition Points Stature Feature Form	Local		2000		International	Score
Subtotal Points Notable Evalua Recognition Points Stature Feature Form Historic	Local		2000		International	Score 21 21 15
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+	Local 3		2000		International	Score 21 21
Notable Evalua Recognition Points Stature Form Historic Age 100+ Association	Local 3		2000		International	Score 21 21 15
Notable Evalua Recognition Points Stature Form Historic Age 100+ Commemoration	Local 3		2000		International	Score 21 21 15
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Commemoratio Remnant Relict	Local 3		2000		International	Score 21 21 15
Notable Evalua Recognition Points Stature Form Historic Age 100+ Commemoratio Remnant Relict Scientific	Local 3		2000		International	Score 21 21 15
Notable Evalua Recognition Points Stature Feature Form Historic Age 100+ Association Commemoratio Remnant Relict Scientific Source	Local 3		2000		International	Score 21 21 15

