Tree Number 96 - Araucaria bidwillii

(Bunya Pine, Bunya Bunya)

Exotic

Location: No. 3 Line - Beside Gordons Bush

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

History:

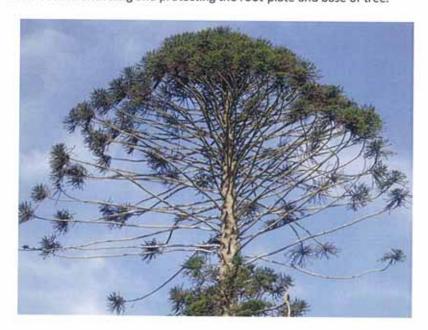
None known at this stage.

Visual Comments:

- Very nice, tall, straight and single leadered specimen.
- The canopy is a little sparse in the upper canopy. This is probably due to its open position in an
 exposed plain.
- The lower 2/3's of the tree have broken branch stubs and epicormic growth from the trunk.
- The paddock is stocked periodically with dairy cows and compaction could be an issue. There is also some damage to the exposed roots and buttresses.
- The paddock is cropped/ploughed close to the tree which will be causing damage to the root plate and putting stress on the tree.
- A solution to this and future damage would be to retire an area around the tree with an electric fence to keep stock and vehicles out.
- The tree is healthy considering its exposure to climatic conditions and the stresses put on its rootplate.
- There is an old, almost dead Cupressus macrocarpa and an old Magnolia grandifolia nearby indicating this used to be a house site.

Recommendations:

Install an electric fence encircling and protecting the root-plate and base of tree.



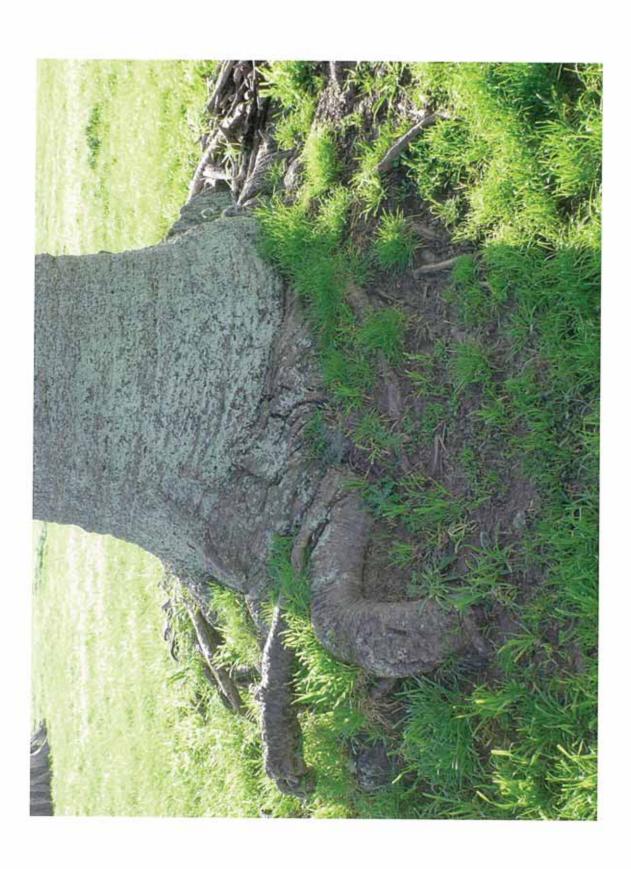
Tree # 96 Araucolia bidullii Full Tree Evaluation Score Sheet

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	2012
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	15
Function	Minor	Useful	Important	Significant	Major	3
Age (yr)	10yrs. +	20утв. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						8887
Amenity Evalu	ation					
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27.4	21

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	40	8.0	
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					,	69

Notable Eval Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature • Feature						3
• Form						3
Historic)
* Age 100+						9
 Association 	3 - 3 - 3 - 3				0,-1-500	-
 Commemora 	tion					_
• Remnant						_
Relict						
Scientific			-			_
Source						
 Rarity 						_
 Endangered 						-
Subtotal Points						10-
Total Points					_	15
percent of the second						171





Tree Number 97 - Agathis australis

(Kauri)

Native

Location: 333 Papaiti Road

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

History:

None known at this stage.

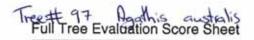
Visual Comments:

- · Small but well proportioned solitary tree.
- · Good canopy and starting to grow its mature spreading branches.
- Excellent that the tree has been fenced off from larger stock although there are exposed roots out of the enclosure with considerable damage. There are also signs of compaction immediately surrounding the enclosure through stock movement.
- There is an old Acer palmatum nearby.

Recommendations:

 Enlarging the enclosure around the tree so it protected all the exposed roots would benefit the trees longevity.





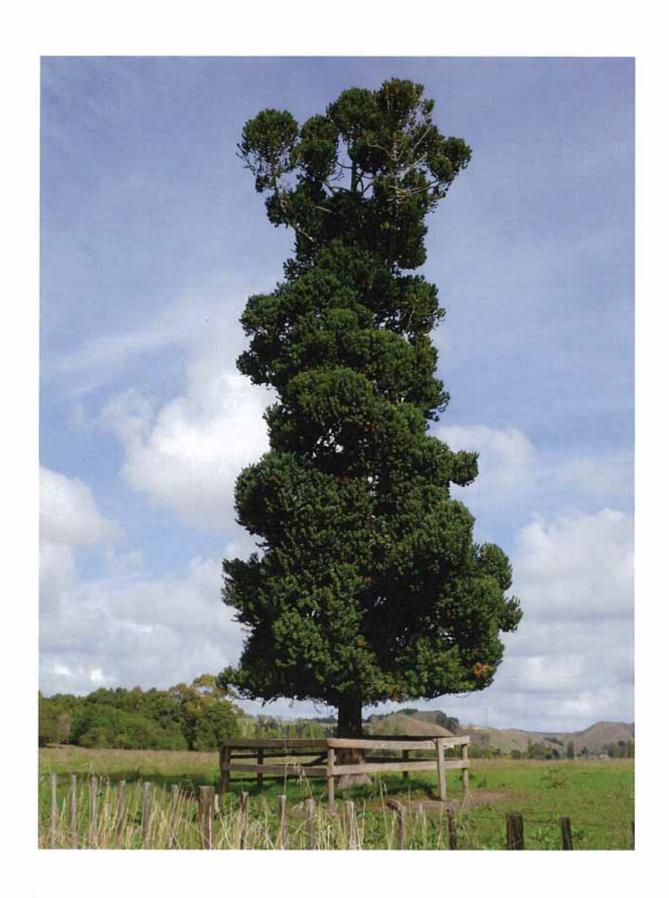
Subtotal Points

Condition Evaluation							
Points	3	9	15	21	27	Score	
Form	Poor	Moderate	Good	Very good	Specimen	21	
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15	
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21	
Function	Minor	Useful	Important	Significant	Major	39	
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+	139		
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	3		

Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	Clareday
Stature • Feature						
• Form						3
Historic • Age 100+						9
 Association 						
Commemora	ition					
• Remnant			Y-WATER			
• Relict						
Scientific • Source						
• Rarity						
Endangered	1					
Subtotal Points						12
Total Points						150





Tree Number 98 - Eucalyptus globulus

(Tasmanian Blue Gum)

Exotic

Location: 736 Papaiti Road

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

History:

None known at this stage.

Visual Comments:

- Typical big old blue gum.
- Good single leadered structure until high in the canopy.
- Some stagheading throughout canopy. This is common in ageing eucalypts.
- Large amount of epicormic growth throughout the interior canopy. This is collecting a lot of debris
 and giving the tree a scruffy appearance.
- Situated in pasture.
- As well as the stagheading, there are some other dead branches, some smaller ones above the road.

Recommendations:

 A deadwood prune over the whole tree would be ideal aesthetically but not necessary due to the low risk target below. The deadwood above the road should be removed to minimise the risk of wood falling onto the road/road users.



Tree # 98 Eucalyptus globalus 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	159
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						75

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	27
Role	Minor	Moderate	Important	Significant	Major	3
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						63

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			324			
• Relict						
Scientific • Source						
• Rarity						
Endangered	1					
Subtotal Points						9
Total Points						147





Tree Number 99 – Araucaria cunninghamii

(Hoop Pine)

Exotic

Location: 778 Papaiti Road

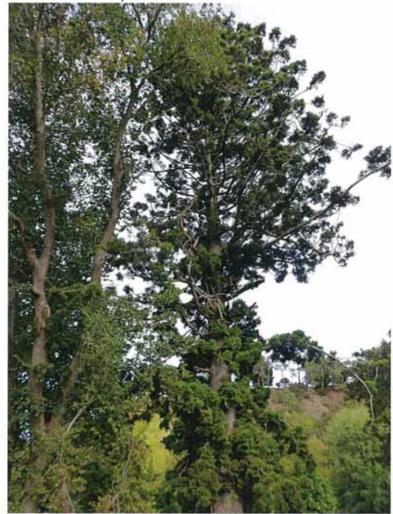
Assessed by: Marc Higgie, Consultant Arborist, 4 April 2013

History:

None known at this stage.

Visual Comments:

- Stunning tree part of a mature planting.
- Double leadered from approx.. 15m.
- Numerous branch failures but canopy still very healthy and there is little infrastructure underneath to damage.
- · New female cones forming high up.
- Three large elms and a cedar close by.

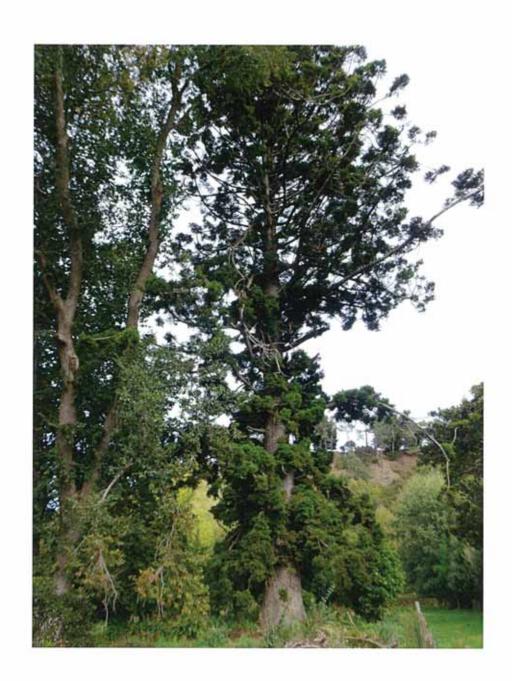


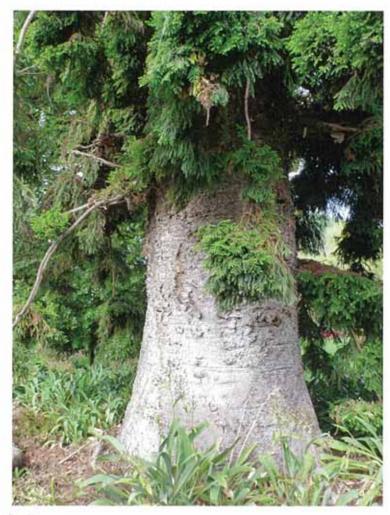
Tree # 99 Araucaria cunninghamin

Condition Eval 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						92

Amenity Evalu	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	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						69		

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
Feature						15
• Form						15
Historic						
• Age 100+						15
 Association 						
Commemora	tion					
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity	ET TIE		1207-21			
Endangered						
Subtotal Points						45
Total Points						207







Tree Number 100 – Liriodendron tulipifera

(Tulip Tree)

Exotic

Location: 701 Papaiti Road

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

History:

None known at this stage.

Visual Comments:

- · Big multi-leadered tree growing on an upriver lean.
- Very large ground trunk diameter.
- Good garden space around it.
- Good power line clearance.
- Some deadwood and stubs present.

Recommendations:

· No urgent work needed but a general deadwood and tidy up of the stubs would freshen up the tree.

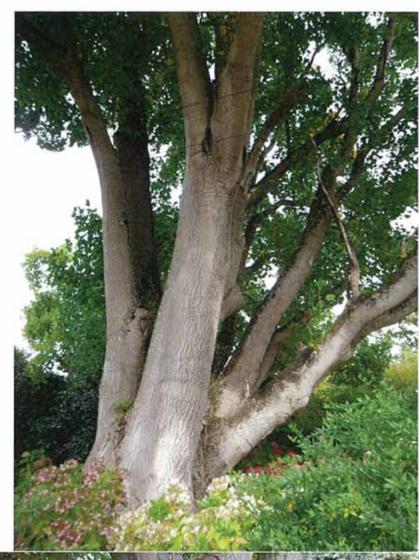


Tree # 100 Linderdon tulipitera Full Tree Evaluation Score Sheet

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	9
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	博21
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						187

Amenity Evalu	ation					550
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	9
Subtotal Points						57

Notable Eval	uation					
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature • Feature						3
• Form						3
Historic • Age 100+						9
 Association 						
Commemora	ition					1
• Remnant						
Relict						
Scientific • Source						
• Rarity						
• Endangered	1					
Subtotal Points						15
Total Points						159





Tree Number 101 – Pseudotsuga menziesii (4 trees)

(Douglas Fir)

Exotic

Location: Bushy Park (below bus park)

Assessed by: Marc Higgie, Consultant Arborist, 10 June 2013

History:

None known at this stage.

Visual Comments:

• This grouping of four trees has been mis-identified and is not *Abies balsamea* as recorded. They are fine examples of *Pseudotsuga menziesii* or Douglas fir.

Trees 1, 2 and 3

- Tight grouping of three very impressive trees growing on the edge of native bush. Visible from the Bushy Park homestead.
- Very tall and mostly straight although they all have slight twists in their trunks. One more so than the
 others.
- There were plentiful cones on the forest floor but only one seedling was spotted on the edge of the bush.
- There was a considerable amount of fresh broken twigs on the floor indicating either a storm or some native parrot damage. This has not affected the trees health.
- Being in the bush the bases of these trees are very well protected. However two that are close to the track that runs under them have some minimal damage to exposed roots.
- They all have many broken stub branches in their lower trunks. This is typical of un-pruned and mature conifers.
- There are Astelia sp. or Colospermum sp. growing on the trunks of tree 1.

Tree 4

- This tree has three leaders growing from the lower trunk but the main trunk has not lost its apical dominance.
- Set apart from the other three trees and not as tall but otherwise healthy.

Recommendations:

• Re-label the tree with the correct name and as it is a Notable Tree also, notify the Notable Trees Trust of the mistake.

Tree# 101 Pseudotsuga menziesii x3 Full Tree Evaluation Score Sheet

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	915
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points					V.	93
Amenity Evalu	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	3
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points Notable Evalue Recognition	ation Local	District	Regional	National	International	S _{Core}
Points	3	9	15	21	27	Score
Stature • Feature						9
• Form						9
+ Age 100+						9
 Association 						
Commemoration	on					
• Remnant						
• Relict						

Scientific

Source
Rarity
Endangered
Subtotal Points
Total Points

Tree # 101 Pseudofsuga menzies: >1 Full Tree Evaluation Score Sheet

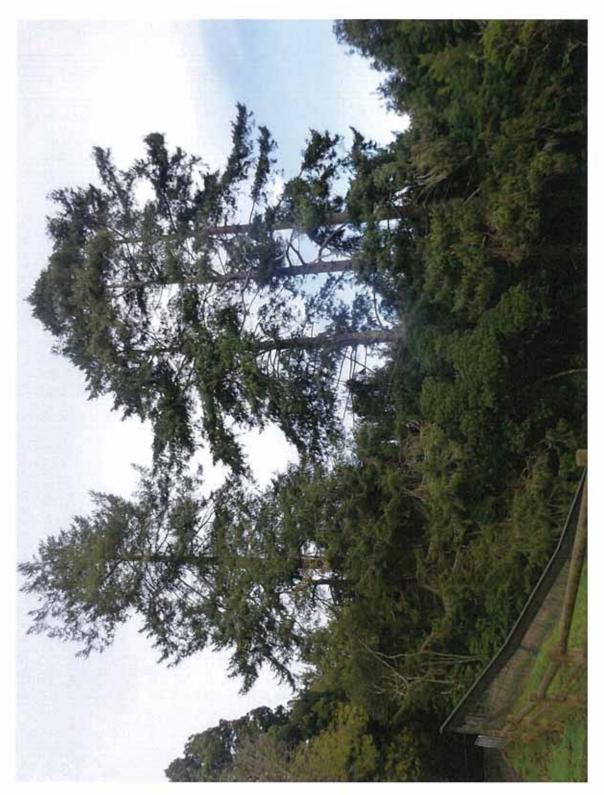
Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	15
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	IS
Function	Minor	Useful	Important	Significant	Major	Fi
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points				111/1/2		181

Amenity	Cami	1,,,,	
THEITTA	CV4	luai	10111

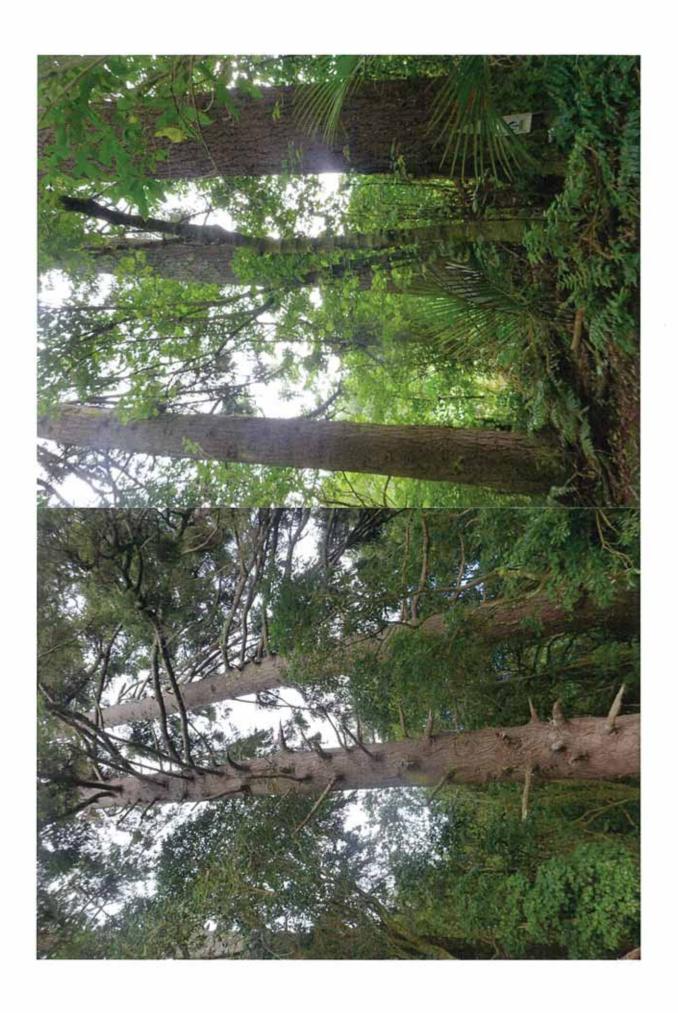
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	3
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						115

Notable Evaluation

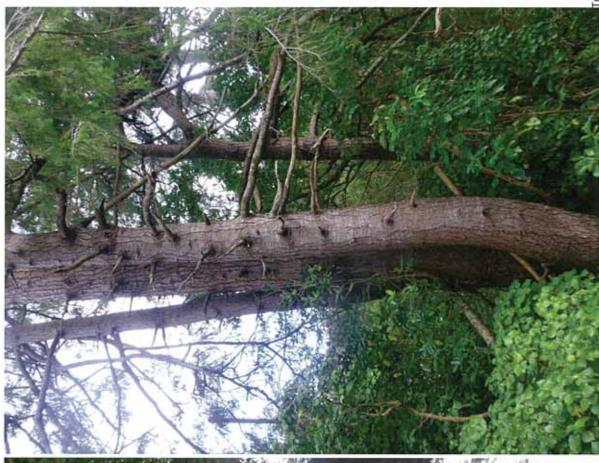
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature • Feature						
• Form	<u> </u>					3
Historic • Age 100+						9
 Association 						
Commemora	tion					
• Remnant						
• Relict						
Scientific • Source						
 Rarity 						
 Endangered 						
Subtotal Points						12
Total Points	3787.14.11n					138



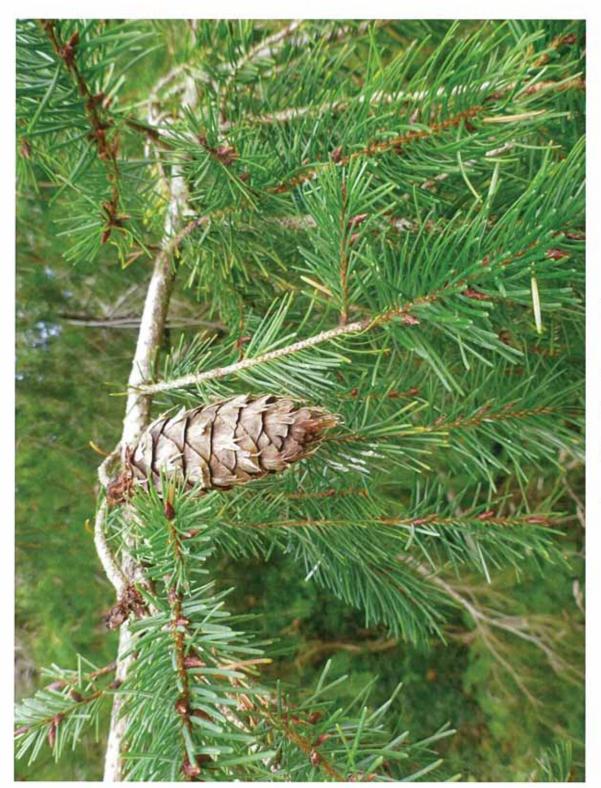
From left to right, Tree 4, 3, 2 and 1.











Cone and foliage of Pseudotsuga menziesii.

Tree Number 103 – Dacrydium cupressinum

(Rimu)

Native

Location: Bushy Park (Ratanui Track)

Assessed by: Marc Higgie, Consultant Arborist, 10 June 2013

History:

None known at this stage.

Visual Comments:

- Majestic and stunning tree, estimated to be around 500 years old.
- A great example of how a true forest grown emergent tree species should grow to.
- Tall and straight with the first branches approximately 12m up.
- Host to numerous species of flora and fauna including Metrosideros vines.
- Appears to be a large branch failure which is still caught in tree.
- Large exposed roots/buttress spreading some metres away from base of tree. Three of these have been cut to form the track.

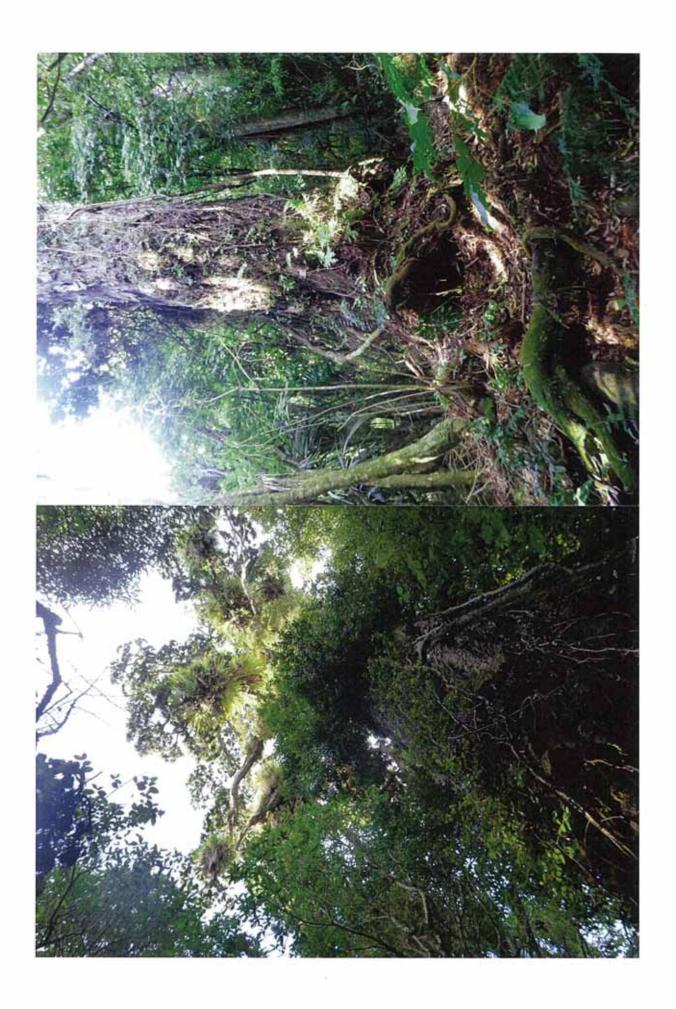


Tree # 103 Dacighium coprosinum Full Tree Evaluation Score Sheet

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	1521
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	27
Age (yr)	10yrs. +	20утя. +	40yrs. +	80yrs. +	100утз. +	27
Subtotal Points						117
Amenity Evalu	ation					
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	3

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	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	3
Role	Minor	Moderate	Important	Significant	Major	27
Climate	Minor	Moderate	Important	Significant	Major	q

Notable Eval Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature • Feature						15
• Form						塔 27
Historic						-
* Age 100+						15
 Association 						
Commemora	tion					
• Remnant						15
• Relict						15
Scientific						
Source						a
• Rarity						-
 Endangered 	5					
Subtotal Points						ଞା
Total Points				- 32		267





Two of the large buttress roots that have been cut to form the track.

STEM Evaluation for Wanganui Protected Trees Tree Number 104 – Fagus sylvatica 'Purpurea' (Copper Beech)

Exotic

Location: Bushy Park

Assessed by: Marc Higgie, Consultant Arborist, 10 May 2013

History:

None known at this stage.

Visual Comments:

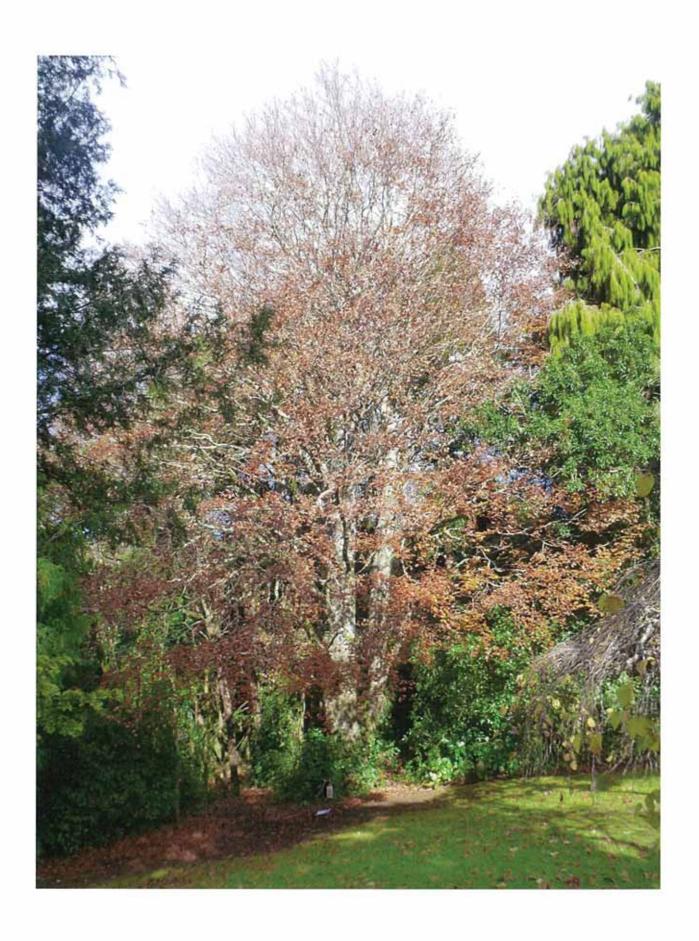
- This is a fine specimen, probably with the best form of its kind in Wanganui and of equal size to tree #88 in Nile Street.
- There are four leaders from 1.5m. One small, two medium sized and the main trunk itself.
- The tree has very good internal structure and form.
- It has a large butt log and good root flare at the base.
- There is a great garden/bush environment around it with plenty of organic matter improving the soil.
- · There is an Astelia sp. and an epiphytic fern growing in the tree.
- There is some damage to exposed roots on the path but this is minimal and there is not a large amount of foot traffic.
- There are two fungal growths growing from the base of the tree. It does not appear to be having a
 detrimental effect to the tree. I have not been able to identify it at this stage but will endeavour to do
 so.
- The tree is labelled with the cultivar 'Cuprea'. This is historically the name used to distinguish grafted beeches, with the copper colouring, from the seedling copper beeches. As no graft is obvious at the base of the tree, it is more relevant to call it 'Purpurea'.

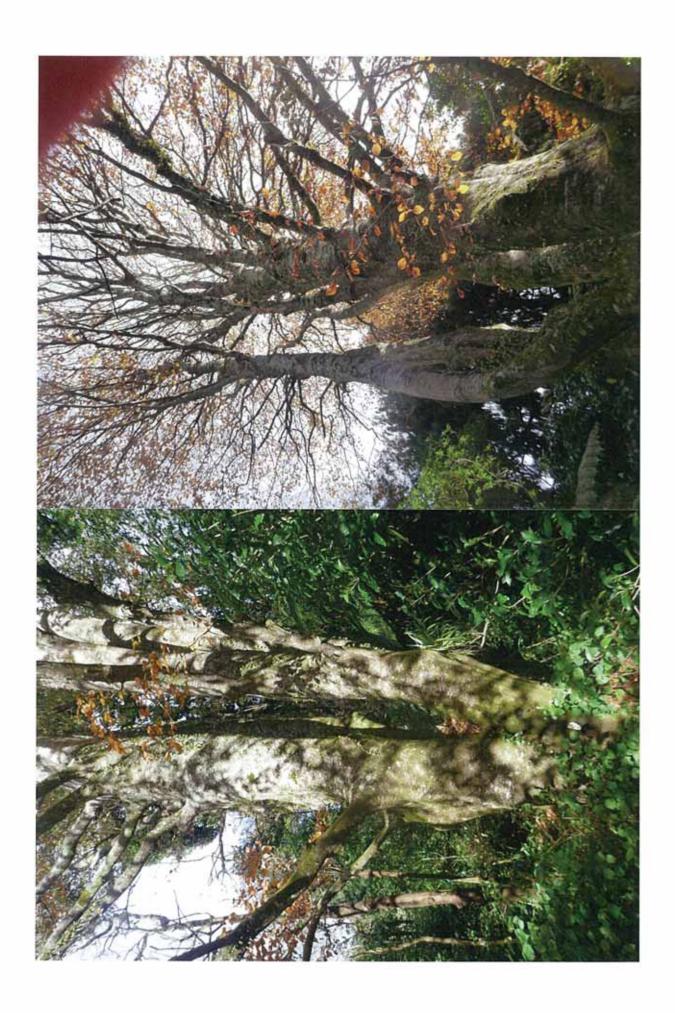


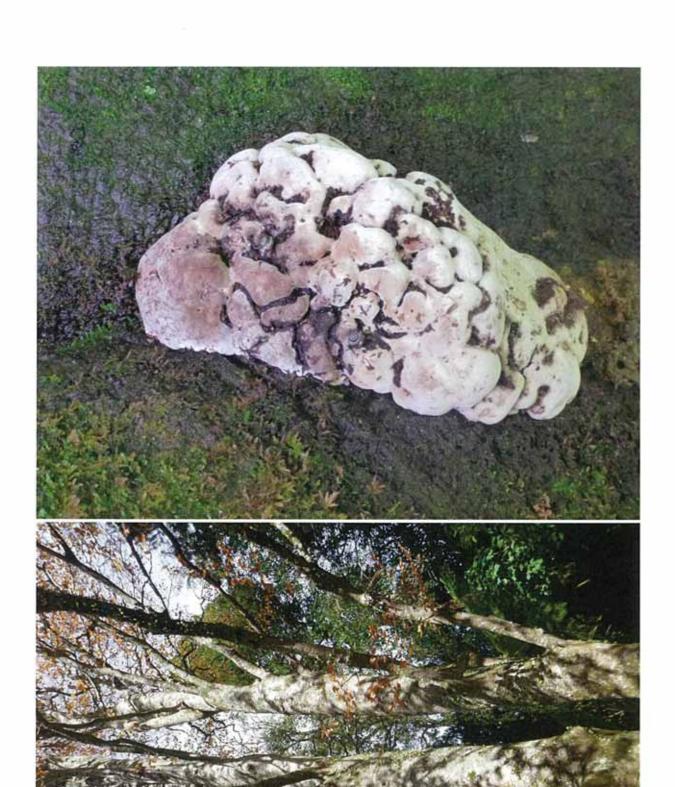
Full Tree Evaluation Score Sheet "Cupred" ? (Purparen)

	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)	10ута. +	20yrs. +	40yrs. +	80yrs. +	100утя. +	27
Subtotal Points						93
Amenity Evalu	ation 3	9	15	21	_	
Stature (m)	3 to 8				27	Score
Visibility (km)	0.5	9 to 14	15 to 20	21 to 26	27+	15
		1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	9
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
					51	51
Notable Evalue Recognition Points	ation Local 3	District	Regional	National 21	International	Score
Recognition	Local			National 21	International 27	
Recognition Points	Local			3		Score
Recognition Points Stature	Local			3		
Recognition Points Stature • Feature	Local			3		Score 3
Recognition Points Stature • Feature • Form Historic	Local			3		Score 3
Recognition Points Stature Feature Form Historic Age 100+	Local 3			3		Score 3
Recognition Points Stature Feature Form Historic Age 100+ Association	Local 3			3		Score 3
Recognition Points Stature Feature Form Historic Age 100+ Commemorati	Local 3			3		Score 3
Recognition Points Stature • Feature • Form Historic • Age 100+ • Association • Commemorati • Remnant	Local 3			3		Score 3
Recognition Points Stature • Feature • Form Historic • Age 100+ • Association • Commemorati • Remnant • Relict Scientific	Local 3			3		Score 3

Subtotal Points
Total Points







Tree Number 105 - Metrosideros robusta

(Northern Rata)

Native

Location: Bushy Park (Ratanui track)

Assessed by: Marc Higgie, Consultant Arborist, 10 May 2013

History:

None known at this stage.

Visual Comments:

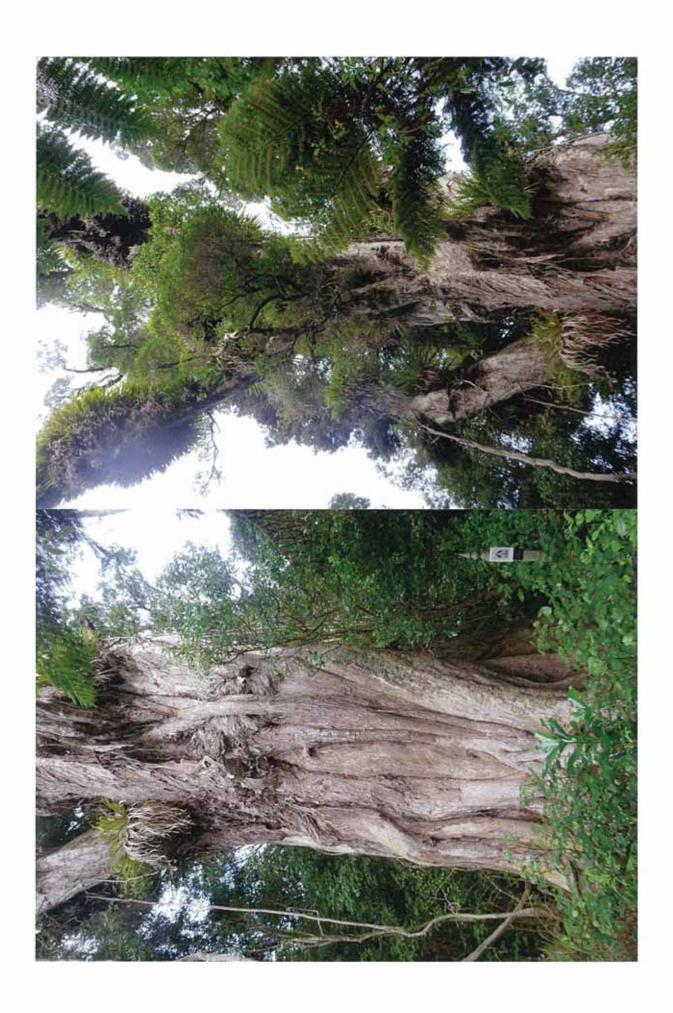
- Massive and stunning tree.
- It is very healthy and playing host to a large range of flora and fauna both in its canopy and at ground level.
- This tree has typical form for an ancient, forest grown tree. It started life high in its host tree which it
 eventually smothered and continued to grow as a terrestrial tree.
- It was thought to be the biggest known rata in New Zealand but there have since been one or two
 recorded bigger.
- If seed could be sourced without damaging the tree or the habitats in its crown, it could be grown and used for re-vegetation plantings.
- · It is good that the boardwalk "fences" off the rootplate, protecting it from being damaged by visitors.
- This tree is on the cover of Bob Burstall's 1984 book, "Great Trees of New Zealand".



Tree #105 Metrosideros robusta Full Tree Evaluation Score Sheet

Total Points

1000000	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	27
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	1521
Vigour & Vitality	Poor	Some	Good	Very good	Excellent	21
Function	Minor	Useful	Important	Significant	Major	27
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						117
Amenity Evalu	ation					
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	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	.3
Role	Minor	Moderate	Important	Significant	Major	27
Climate	Minor	Moderate	Important	Significant	Major	21
Notable Evalua Recognition Points	ition	District			A) = ====	
	3	9	Regional 15	National 21	International 27	Score
Stature • Feature	900000	1,000	Regional 15	National 21	International 27	
	900000	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	27
Feature Form	900000	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	
Feature Form	900000	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	27
Feature Form Historic	900000	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	27
Feature Form Historic Age 100+	3	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	27
• Feature • Form Historic • Age 100+ • Association	3	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	27 27 27
Feature Form Historic Age 100+ Association Commemoration	3	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	Control of the second	27
Feature Form Historic Age 100+ Commemoration Remnant	3	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	7	27 27 27
Feature Form Historic Age 100+ Association Commemoratio Remnant Relict Scientific	3	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	7	27 27 27
Feature Form Historic Age 100+ Association Commemoratio Remnant Relict Scientific Source	3	1,000	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	D C C C C C C C C C	7	27 27 27











STEM Evaluation for Wanganui Protected Trees

Tree Number 109 – Quercus palustris

(Pin Oak, Swamp Oak)

Exotic

Location: 305 Kaukatea Valley Road (near entrance to driveway)

Assessed by: Marc Higgie, Consultant Arborist, 5 April 2013

History:

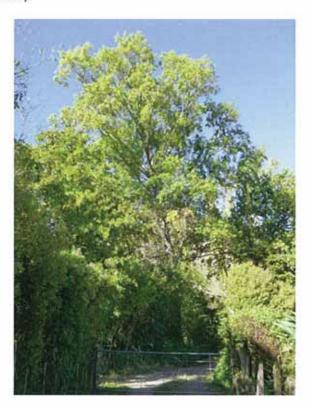
None known at this stage.

Visual Comments:

- · Very large and impressive tree.
- Good form and single leadered for at least 15m.
- · Groing on a slight lean.
- No major deadwood, very healthy.
- Near a stream and will be doing some stabilisation.
- Vinca major (periwinkle) at its base. There is also ivy growing near.
- Other interesting plantings nearby include: Pinus canariensis, Nothofagus sp., Podocarpus totara, Pseudotsuga menziesii, Liquidamber styraciflua, Acer palmatum, Magnolia grandiflora, Trachycarpus fortunei, Phoenix canariensis, Quercus robur, Ilex aquifolium and Platanus X hispanica.

Recommendations:

 A light prune of some lower epicormic growth would make the tree stand out from the undergrowth more but is not necessary.

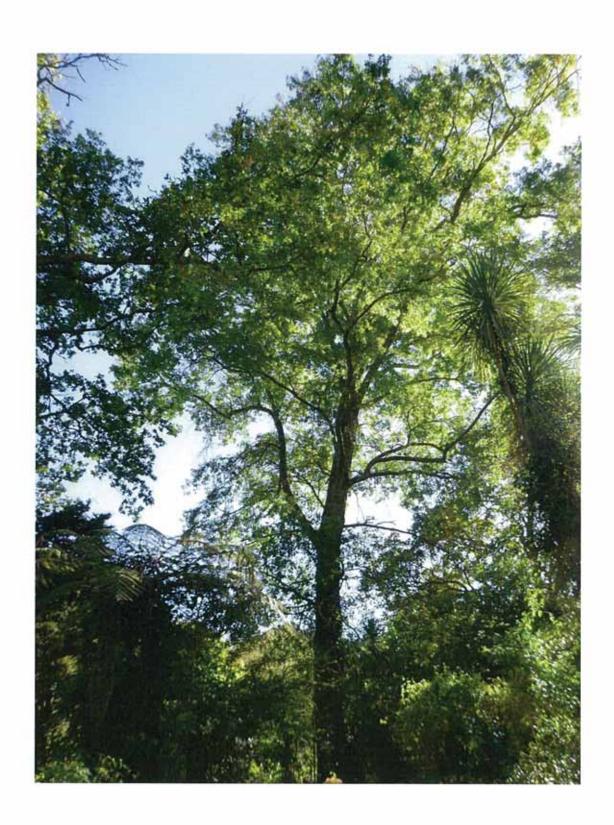


Tree # 109 Quercus Palushis Full Tree Evaluation Score Sheet

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	PF 21	
Function	Minor	Useful	Important	Significant	Major	15	
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27	
Subtotal Points							

Amenity Evalu	ation					il.
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	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points	1.6					63

Notable Eval						
Recognition Points	Local 3	District 9	Regional	National	International	Score
	2	,	15	21	27	_
• Feature						15
• Form						15
Historic • Age 100+						15
 Association 						
Commemora	ation					
Remnant						
• Relict						
Scientific • Source						
• Rarity						
Endangered	1					
Subtotal Points						45
Total Points						213





STEM Evaluation for Wanganui Protected Trees

Tree Number 111 - Araucaria bidwillii

(Bunya Pine, Bunya Bunya)

Exotic

Location: 305 Kaukatea Valley Road (opposite driveway)

Assessed by: Marc Higgie, Consultant Arborist, 5 April 2013

History:

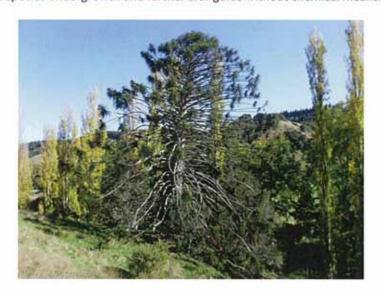
"Planted by Mr David Strachan, first settler in the Kaukatea Valley." - Newspaper article, March 5 1960.

Visual Comments:

- Massive and impressive tree on a rise near the road.
- Canopy is becoming a little sparse high up. It could signify the start of its decline, which could take many years.
- · Massive trunk girth, possibly amongst the largest in New Zealand.
- Massive raised roots on all sides and especially heading down the hill.
- · Some branch failures but otherwise a good, unpruned canopy.
- · Growing on a slight lean.
- Infestation of wooly aphid type insect. This is fairly common in Araucaria bidwillii and other Araucaria species. Ladybirds and fantail are natural predators of this insect.
- Foliage is smaller than normal. This could be because of its age or an effect of the wooly aphid infestation.
- There does not appear to be a high stocking rate in the paddock around the tree. This is good for the tree especially its lower trunk and root plate. When it is stocked it looks to be with cattle.
- There are plants of briar rose, holly and barberry at its base. There are scattered gorse plants within 200m.
- The encroaching gorse is a concern if it is sprayed and some spray or drift gets onto the Bunya.

Recommendations:

Remove weed species undergrowth and further afar gorse without chemical means.



Tree # 111. Araucaria bidwilli; Full Tree Evaluation Score Sheet

Condition Eval 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
Punction	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points Amenity Evalue	ation 3	9	15		_	99
	27.00			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	21
Role	Minor	Moderate	Important	Significant	Major	9
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						63
Notable Evalua	ation).	
Recognition	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
• Feature						春 2
• Form						15
* rom						1.0
Historic • Age 100+						15

Points	3	9	15	21	27	Score
Stature						0.7066
Feature						春 21
• Form						15
Historic						
• Age 100+						15
 Association 						9
Commemorat	ion					<u> </u>
• Remnant						
Relict						
Scientific						
Source	P.S.					
• Racity						
 Endangered 						
Subtotal Points						60
Total Points						222





