

**STEM Evaluation for:**  
***Pinus ponderosa***  
**(Ponderosa Pine) - Exotic**  
**Location: Aird, No. 2 Line**  
**STEM Score: 234**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- A stunning specimen set in pasture amongst other mature exotic trees.
- Single leaedered and well branched.
- Very large basal girth.
- Growing on a slight lean from the prevailing wind and a nearby oak.
- There are some dead branch stubs and broken branches in the canopy as typical with mature pines.



## Full Tree Evaluation Score Sheet

*Pinus ponderosa* 17.12.13

Condition Evaluation

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	15
Function	Minor	Useful	Important	Significant	Major	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						105

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	15
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						15
• Form						15
Historic						
• Age 100+						21
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						66
Total Points						234









## STEM Evaluation for:

*Quercus suber*

(Cork Oak) - Exotic

Location: Aird, No. 2 Line

STEM Score: 222

Assessed by: Marc Higgie, Consultant Arborist, 17 December 2013

### History:

Planted by James McGregor at the family home.

During WWII and in an absence of cork supply, Max McGregor harvested cork off this tree to make duck decoys.

### Visual Comments:

- A large and stunning tree, one of the tallest in the country.
- Very large basal girth.
- There is some dead wood present in the canopy.
- There is a patch of decay/non re-generating cambium tissue but the decay of heartwood is minimal. This was probably caused by slightly too deep a cut when harvesting cork.
- Cork harvest marks still visible.



## Full Tree Evaluation Score Sheet

*Quercus suber*

**Condition Evaluation**

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	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						111

**Amenity Evaluation**

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
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	15
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						21
• Form						15
Historic						
• Age 100+						21
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						72
Total Points						222











Cork harvest boundaries are clearly visible (left) and a patch of dead non re-generating cambium (right).



**STEM Evaluation for:**

*Quercus X hispanica*

**Spanish Oak - Exotic**

**Location: Aird, No. 2 Line**

**STEM Score: 186**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- A sub-canopy tree of not great form but with plenty of character.
- Interesting corky bark.
- Suppressed in height by surrounding trees but it has a busy and spreading branch network.
- Multi-leadered from 1.5m.





## Full Tree Evaluation Score Sheet

*Quercus suber* <sup>x</sup> *hispanica*

17.12.13

### Condition Evaluation

Points	3	9	15	21	27	Score
Form	Poor	Moderate	Good	Very good	Specimen	15
Occurrence	Predominant	Common	Infrequent	Rare	Very Rare	27
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						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	3
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						33

### Notable Evaluation

Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	Score
Stature						
• Feature						15
• Form						15
Historic						
• Age 100+						15
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						60
Total Points						186





**STEM Evaluation for:**  
***Quercus frainetto***  
**(Hungarian Oak) - Exotic**  
**Location: Aird, No. 2 Line**  
**STEM Score: 234**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- This tree is a large, graceful and stunning tree with great form.
- There is some deadwood present.



## Full Tree Evaluation Score Sheet

*Quercus prinus* 17.12.13

Condition Evaluation

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	9
Age (yr)	10yrs. +	20yrs. +	40yrs. +	80yrs. +	100yrs. +	27
Subtotal Points						111

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	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	15
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						45

Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
Stature						
• Feature						21
• Form						21
Historic						
• Age 100+						21
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						78
Total Points						234







**STEM Evaluation for:**  
***Agathis robusta***  
**(Queensland Kauri) - Exotic**  
**Location: Aird, No. 2 Line**  
**STEM Score: 180**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- A tall and slightly spindly specimen hidden amongst other trees.
- Its form is typical of being closely planted with other trees.

**Full Tree Evaluation Score Sheet**

*Agathis robusta* 17.12.13

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

Amenity Evaluation						
Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	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	15
Climate	Minor	Moderate	Important	Significant	Major	3
<b>Subtotal Points</b>						<b>45</b>

Notable Evaluation						
Recognition Points	Local	District	Regional	National	International	Score
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						9
• Association						15
• Commemoration						
• Remnant						
• Relics						
Scientific						
• Source						
• Rarity						
• Endangered						15
<b>Subtotal Points</b>						<b>30</b>
<b>Total Points</b>						<b>180</b>







**STEM Evaluation for:**  
***Acer platanoides* 'Crimson King'**  
**(Norway Maple Cultivar) - Exotic**

**Location: Aird, No. 2 Line**

**STEM Score: 204**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- Stunning tree in its new growth stage.
- Growing on a slight lean and double-leadered from 2.5m. The union is good and strong.
- A vine, *Pandorea sp.*, is growing throughout the canopy.

**Recommendations:**

- Cut *Pandorea sp.* vine so it does not smother the tree.

















**STEM Evaluation for:**  
***Syzygium ventenatii***  
**(Weeping Lilly Pilly) - Exotic**  
**Location: Aird, No. 2 Line**  
**STEM Score: 210**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- Impressive specimen with huge basal girth.
- In very good health.
- Some branches that were hanging low over sheep yards have been cut back to stubs which have epicormic growth sprouting.
- Minimal decay observed.
- There is wandering jew and karaka growing at the base of the tree.





## Full Tree Evaluation Score Sheet

*Syzygium Venetianat.*

17.12.13

### Condition Evaluation

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

### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	21
Visibility (km)	0.5	1.0	2.0	4.0	8.0	3
Proximity	Forest	Parkland	Group 10+	Group 3+	Solitary	21
Role	Minor	Moderate	Important	Significant	Major	15
Climate	Minor	Moderate	Important	Significant	Major	9
Subtotal Points						69

### Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature						
• Feature						9
• Form						9
Historic						
• Age 100+						9
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						42
Total Points						210





**STEM Evaluation for:**  
***Actinidia deliciosa***  
**(Kiwifruit, Chinese Gooseberry) - Exotic**  
**Location: Aird, No. 2 Line**  
**STEM Score: 237**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by James McGregor at the family home.

This is a layer of the original plant which grew just a few metres away.

**Visual Comments:**

- This is the first kiwifruit plant brought to New Zealand.
- Was thought to be male but there is fruit on it.
- The fruit are small but edible.
- The vine has been kept back to cover a pergola approximately 2x3m.
- As this is the original stock for a lot of the kiwifruit industry, it is extremely important as a future source in dealing/re-building from a crisis such as PSA disease.





### Full Tree Evaluation Score Sheet

*Actinidia deliciosa*

17.12.13

#### Condition Evaluation

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

#### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	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	27
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						29
Historic						
• Age 100+						21
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						21
• Rarity						
• Endangered						
Subtotal Points						81
Total Points						237











**STEM Evaluation for:**  
***Acer platanoides* 'Crimson King'**  
**(Norway Maple Cultivar) - Exotic**

**Location: Aird, No. 2 Line**

**STEM Score: 204**

**Assessed by: Marc Higgie, Consultant Arborist, 17 December 2013**

**History:**

Planted by James McGregor at the family home.

**Visual Comments:**

- Stunning tree in its new growth stage.
- Growing on a slight lean and double-leadered from 2.5m. The union is good and strong.
- A vine, *Pandorea sp.*, is growing throughout the canopy.

**Recommendations:**

- Cut *Pandorea sp.* vine so it does not smother the tree.





## Full Tree Evaluation Score Sheet

*Acer platanoides* 'Rubra' or 'Crimson King'

### Condition Evaluation

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

### Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	15
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	15
Climate	Minor	Moderate	Important	Significant	Major	3
Subtotal Points						39

### Notable Evaluation

Recognition Points	Local	District	Regional	National	International	Score
Points	3	9	15	21	27	
Stature						
• Feature						15
• Form						15
Historic						
• Age 100+						21
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						66
Total Points						204















## STEM Evaluation for:

*Carya illinoensis*

(Pecan) - Exotic

Location: Aird, No. 2 Line

STEM Score: 252

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

### History:

Planted by James McGregor at the family home.

### Visual Comments:

- Very large and impressive specimen in a beautiful setting.
- The canopy is in very good health.
- There is some tip die-back and dead wood in the canopy.
- The butt log is very large.





## Full Tree Evaluation Score Sheet

*Carya illinoensis* 17.12.13

Condition Evaluation

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

Amenity Evaluation

Points	3	9	15	21	27	Score
Stature (m)	3 to 8	9 to 14	15 to 20	21 to 26	27+	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	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						21
• Form						21
Historic						
• Age 100+						21
• Association						15
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						78
Total Points						252















**STEM Evaluation for:**  
***Jacaranda mimosifolia***  
**(Jacaranda, Brazilian Rosewood) - Exotic**  
**Location: Aird, No. 2 Line**  
**STEM Score: 129**

Assessed by: Marc Higgle, Consultant Arborist, 17 December 2013

**History:**

Planted by the McGregor family at the family home.

**Visual Comments:**

- A handsome smaller tree but a good size for the species.
- Somewhat one-sided due to wind and possibly old buildings since removed.
- Seed on tree.
- An old epicormic growth from the base has turned apical and balances the tree a little.





## Full Tree Evaluation Score Sheet

*Jacaranda mimesifolia* 17.12.13

Condition Evaluation						Score
Points	3	9	15	21	27	
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	3
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	3
Subtotal Points						45

Notable Evaluation						Score
Recognition Points	Local 3	District 9	Regional 15	National 21	International 27	
Stature						
• Feature						3
• Form						3
Historic						
• Age 100+						
• Association						9
• Commemoration						
• Remnant						
• Relict						
Scientific						
• Source						
• Rarity						
• Endangered						
Subtotal Points						15
Total Points						129



