



Rangitikei
UNSPOILT...

Memorandum

To: Turakina Reserve Management Committee
From: Athol Sanson
Date: 31 May 2017
Subject: Species Suggestions for Turakina Domain
File: 6-RF-1-17

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Tabled at Turakina Reserve
Management Committee
on 1 June 2017

Firstly thank you for the offer to supply and plant new trees in the Turakina Domain. Your offer of planting shade trees for the future is an area I fully support.

The following list of trees are known to grow well in similar situations to that of the Turakina Domain. It should be noted that these trees are very slow growing, however they will establish well in the semi-coastal environment being planted into. The trees when mature are not prone to any significant branch or major damage in high winds.

Other species will grow in the Domain and quicker, however they will not give the long term shade benefits you require.

Tree suggestions

Quercus ilex - (Holm Oak)

Although the Holm oak is very slow growing it will ultimately reach a height of 15m when fully mature. This tree is evergreen and is coastal and drought hardy.

Quercus cerris - Turkey Oak

This deciduous oak will ultimately reach a height of 15m when fully mature. This tree grows naturally in Turkey on rocky hillsides and is coastal and drought tolerant. We have recently planted a few of these trees in Walker Park Bulls. Walker Park is an old quarry and the trees are thriving at this dry location.

Quercus robur - English Oak

This Standard English oak has a proven ability to withstand a wide range of climatic conditions. This tree is quicker growing than Q.ilex and Q.cerris. It will form a large tree to 20m when mature and makes a magnificent specimen.

Ulmus parvifolia - Chinese Elm

This smaller growing Elm is tolerant to coastal winds and drought. It will reach a height of 6m when mature. This tree would be best planted in a groups of three or five to provide a grove rather than a single specimen. You could also use Ulmus carpinifolia "Variegata" for a bit of colour contrast.

Metrosideros excelsa- Pohutukawa

Our native Pohutukawa is a core species for areas such as this. Although slow growing it will ultimately form a dense tree to a height of 7m. Must be planted in a dry location.

Metrosideros "Mistral" (Pohutukawa x Rata)

This small tree is becoming a must for coastal environments, reaching a height of 5m when mature it provides some great Christmas colour. It can also withstand frosts unlike Pohutukawa when young.

Podocarpus totara

A great tree for this location. It would look grade in small groups spaced at about 10m centres.

Tree Supply

It is recommended that trees are purchased from Leafland, 1 Roberts Lines Palmerston North. Phone (0800) 532352 or email sales@leafland.co.nz. Leafland is the largest grower of container grown trees in the country who prides itself in supplying quality trees.

Grades of tree

It is recommended that smaller grade trees are purchased. Trees that are supplied in an EL35 will establish quickly to coastal conditions and are less likely to be damaged by high winds following planting.

Tree Locations

As you have stated we need to consider the correct placement of the trees in the domain. I would be happy to meet with interested parties to walk over the site and discuss correct placement of the new trees. This will ensure long term they do not interfere with upcoming events or our operations in the area.

Planting

This can be seen as the most important part of successful tree establishment. I would be happy to provide guidelines for correct planting procedures. Again this can be discussed at a pre-planting walk around.

Should you wish to discuss this further please do not hesitate to contact me on (06) 327 0099 ex 806 or at athol.sanson@rangitikei.govt.nz.

Athol Sanson
Parks & Reserves Team Leader