



**RANGITIKEI**  
DISTRICT COUNCIL

*Making this place home.*

## **Santoft Domain Management Committee**

# **Order Paper**

**Wednesday, 13 March 2019  
7.00pm**

**Bulls Town Hall, Supper Room,  
High Street ,Bulls**

**Website:** [www.rangitikei.govt.nz](http://www.rangitikei.govt.nz)  
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**Chair**  
Heather Thorby

**Membership**  
Paulette Elkins, Martin Elkins, Julie McCormick, Sandy McCuan, Karen Smyth, Murray Spring, Derrick Storey, Dawn Storey, Gary Bennett

Councillor Jane Dunn, Councillor Graeme Platt

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**Please Note:** Items in this agenda may be subject to amendments or withdrawal at the meeting. It is recommended therefore that items not be reported upon until after adoption by the Council. Reporters who do not attend the meeting are requested to seek confirmation of the agenda material or proceedings of the meeting from the Chief Executive prior to any media reports being filed.



# Rangitikei District Council

## Santoft Domain Management Committee Meeting

Agenda – Wednesday 13 March 2019 – 7:00 pm

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The quorum for the Santoft Domain Committee is 6.

Council's Standing Orders (adopted 3 November 2016) 10.2 provide: The quorum for Council committees and sub-committees is as for Council, i.e. half the number of members if the number of members (including vacancies) is even or a majority if the number of members is odd.

## **1 Welcome**

## **2 Apologies**

## **3 Members' conflict of interest**

Members are reminded of their obligation to declare any conflicts of interest they might have in respect of items on this agenda.

## **4 Confirmation of order of business**

That, taking into account the explanation provided why the item is not on the meeting agenda and why the discussion of the item cannot be delayed until a subsequent meeting, ..... be dealt with as a late item at this meeting

## **5 Confirmation of Minutes**

The Minutes from the meeting held on 5 December 2018 are attached.

File ref: 3-CT-18-3

### **Recommendation:**

That the Minutes of the Santoft Domain Management Committee meeting held on 5 December 2018 be taken as read and verified as an accurate and correct record of the meeting.

## **6 Chair's report**

A verbal report will be provided at the meeting.

## **7 Council decisions on recommendations from the Committee**

There were no recommendations made to Council at the previous meeting.

## **8 Questions put at previous meeting for Council advice or action**

### **Spot Spraying Lupin:**

A consent letter for Agrichemical Spraying in Santoft Domain: Lupin, the Health and Safety Brochure for Community Groups, and the Memorandum of Understanding Community Groups is attached.

Athol Sanson has confirmed no further training is required. He has however reconfirmed the importance of advising Council prior to any spot spraying so that all the necessary steps required can be completed.

**Recommendation:**

That the Consent Letter for Agrichemical Spraying in Santoft Domain: Lupin, the Health and Safety Brochure for Community Groups, and the Memorandum of Understanding Community Groups be received.

## **9 Planting recommendations**

A revised Santoft Domain Development Plan and a Santoft Domain Management Plan are attached.

**Recommendations:**

1. That the revised Santoft Domain Development Plan and a Santoft Domain Management Plan are received.
2. That the Santoft Domain Management Committee agree to implement the following sections of the Santoft Domain Development Plan and Management Plan.....

## **10 Financial Extract**

An updated extract for March 2019 will be provided to the meeting, if available (otherwise emailed/posted out).

**Recommendation:**

That the extract 'Santoft Domain Reserve Management Financial Extract March 2019' be received.

## **11 Te Araroa Trail – update**

Discussion item. Brian Doughty will be present to provide an update from the recent meeting of the Trail Executive.

## **12 Power and water at the Domain**

Discussion item.

## **13 Notes from the informal meeting (at the Domain) on 22 January 2019.**

Notes/verbal comment will be tabled.

## **14 Other matters**

Discussion item.

## **15 Next meeting**

To be determined.

## **16 Meeting Closed**

# Attachment 1



# Rangitikei District Council

## Santoft Domain Management Committee Meeting

Minutes – Wednesday 5 December 2018 – 7:00 pm

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**Present:** Heather Thorby (Chair)  
Julie McCormick  
Martin Elkins  
Paulette Elkins  
Murray Spring  
Lorina Spring  
Sandy McCuan  
Derrick Storey  
Dawn Storey  
Cr Jane Dunn  
Cr Graeme Platt,  
His Worship the Mayor, Andy Watson

**In attendance:** Michael Hodder, Community Services Group Manager

## **1 Welcome**

The Chair welcomed everyone to the meeting.

## **2 Apologies**

That the apologies of Athol Sanson be received.

Cr J Dunn / Mr M Spring. Carried

## **3 Members' conflict of interest**

Members' were reminded of their obligation to declare any conflicts of interest they might have in respect of items on this agenda.

## **4 Confirmation of order of business**

There was no change to the order of business.

## **5 Confirmation of Minutes**

<b>Resolved minute number</b>	<b>18/SCMC/034</b>	<b>File Ref</b>	<b>3-CT-18-3</b>
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That the Minutes of the Santoft Domain Management Committee meeting held on 6 November 2018 be taken as read and verified as an accurate and correct record of the meeting.

Mr M Elkins / Ms H Thorby. Carried

## **6 Chair's report**

The Chair reported that the planned site meeting at the Domain was cancelled due to bad weather.

## **7 Council decisions on recommendations from the Committee**

There were no recommendations made to Council at the previous meeting.

## **8 Questions put at previous meeting for Council advice or action**

There were no questions put forward for Council advice or action.

## **9 Further consideration of the Draft Management Plan**

This item was deferred until the next meeting.



His Worship the Mayor arrived 7.15 am

## 10 Financial Extract

Undertaking	Subject	Financial extract
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\$17,203.89 is to be added to the total of \$110,606.19.

Resolved minute number	18/SDMC/035	File Ref
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That the extract 'Santoft Domain Reserve Management Financial Extract' be received.

Ms J McCormick / Mr D storey. Carried

## 11 Outcome of on-site meeting at Domain, 26 November

Meeting cancelled due to poor weather conditions.

## 12 Other matters

The Committee will organise a planting plan and spraying schedule for the domain.

Undertaking	Subject	Spot spraying lupin
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Council to advise the Committee, what is required for them to spot spray the small lupin themselves.

Fusilier Road – Logging commences in May 2019 for the next two and a half years and access through the forest will be closed. The walkers will need an alternative route. Mayor A Watson suggested we invite someone from the Te Araroa Trail to come to our meeting.

Undertaking	Subject	Invitation
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Council to formally invite a representative from the Te Araroa Trail to attend the Committee January 2019 meeting.

## 13 Next meeting

22 January 2019, 7.00 PM.

## 14 Meeting Closed

7.45 pm.

**Confirmed/Chair:** \_\_\_\_\_

Date:

Unconfirmed

# Attachment 2



6<sup>th</sup> December 2018

**To: Santoft Domain Committee**

Re: Agrichemical Spraying Santoft Domain: Lupin

The Rangitikei District Council gives consent for the use of Conquest (Infosafe No<sup>™</sup> 3NU07 removal) for the spraying of thistles, lupin and other invasive weed species at the above location, this consent is based on the following conditions.

- All personnel on site will adhere to the Rangitikei District Council Health and Safety guidelines and MOU for community groups. (Copies attached)
- Before work commences on site all personnel are required to be briefed on the hazards and risks of the site in line with the Health & Safety guidelines.
- We require notification of the timing of any spraying so that the current lease holder can be notified. Due to adverse weather conditions this notification period will be for a maximum period of 5 days. Your contact for this will be Athol Sanson (027) 403 1604.
- Knapsack sprayers will be used for all spraying. If alternative methods are to be used then the RDC is to be notified and further approval maybe given.
- Conquest <sup>™</sup> is a low volatile hormone that is ideally suited to spot spraying. No other chemical is to be used onsite without the prior consent of the Rangitikei District Council.
- Conquest <sup>™</sup> is extremely exotoxic and is very harmful to aquatic life. We request this chemical is not used within 5 m of any water source.
- Volunteers are to adhere to the requirements for protective clothing when mixing/using this product. This includes waterproof gloves, waterproof boots, overalls and safety glasses.
- We have attached the Nufarm Safety Data Sheet for Conquest <sup>™</sup> all condition on the SDS are to be strictly adhered too.
- All Hazardous Substances are to be contained within a designated marked area away from open water.

- Due to the onset of dry conditions we request that smoking or any open flames are not permitted in this area.

As the use of agrichemicals is a high risk activity, the Rangitikei District Council will monitor the use on-site, should any of the consent requirements not be adhered to the RDC will reserve the right to cancel this agreement.

We further request that this consent letter be available on the day of spraying and can be presented to any person that may enquire if you have permission to undertake this task.

Should you wish to discuss this further please do not hesitate to contact me on (027) 403 1604 or at [athol.sanson@rangitikei.govt.nz](mailto:athol.sanson@rangitikei.govt.nz).

Yours sincerely

Athol Sanson

Parks and Reserves Team Leader

## Health & Safety Induction Checklist

RDC assists community groups wishing to contribute to the management of their local areas of parks and reserves. The health and safety of people volunteering in these groups is a requirement under the Health & Safety at Work Act 2015.

An RDC employee will complete the following health and safety induction with all Community Group Co-ordinators (CGC's) to enable them to confidently manage the group's health and safety requirements on site.

Name of person providing induction \_\_\_\_\_ date \_\_\_\_\_

Name of CGC \_\_\_\_\_ site \_\_\_\_\_

### Health & Safety Checks

- ☐ Provided an overview of the Site Safety Assessment.
- ☐ Provided an overview of the MOU, specifically the H&S component.
- ☐ Provided a copy an explanation of Health & Safety guide for RDC community groups.
- ☐ Provided an accident/incident register and an overview of what to do in the event of an incident.
- ☐ Provided an overview of emergency procedures, including an evacuation assembly point.

### I acknowledge the above information has been received and understood:

Signature CGC \_\_\_\_\_ date \_\_\_\_\_

### I acknowledge the induction is complete:

- ☐ Checklist
- ☐ Induction pack received by group on \_\_\_\_\_
- ☐ Site safety assessment received by group on \_\_\_\_\_
- ☐ MOU received by group
- ☐ Induction form completed and placed on community group file on \_\_\_\_\_

Signature of person providing induction: \_\_\_\_\_

Date: \_\_\_\_\_

Please contact the Parks and Reserves Team Leader if you have any questions.

## Health and Safety Guide for Rangitikei District Community Groups



May 2018

***This guide is for volunteers who assist with environmental and community projects, so everyone is aware of potential hazards and safety procedures.***



## Volunteer Emergency Procedures

In the event of an emergency, which includes natural disasters, serious accidents and incidents, the following procedures are to be taken:

- ⇒ All work in progress is to stop immediately unless further work is required to directly reduce or stop further personal injury.
- ⇒ Ensure own safety.
- ⇒ Any emergency first aid is to be given to injured persons.
- ⇒ Any emergency services required should be contacted giving details of the type of injuries the person has sustained and the exact location of where the injured person is.
- ⇒ If the accident site is difficult to find, someone should meet any required emergency services at a pre-determined location to reduce the chance of getting lost.
- ⇒ After emergency services have arrived, any assistance they may require will be offered by volunteers.
- ⇒ All non-essential persons will be kept clear of the site.
- ⇒ Contact Rangitikei District Council on 0800 422 522 as soon as practicable.
- ⇒ Where a person has been seriously harmed no person shall alter the accident scene without the permission of Work Safe **except to:**
  - ⇒ Save a life or prevent further harm to any person
  - ⇒ Maintain access for emergency services
  - ⇒ Prevent serious damage or loss of property.
- ⇒ An incident/accident report coupled with the investigation procedure will begin.



## Accident procedures

Accidents do occasionally happen so each party should always have a suitable first aid kit and mobile phone on hand just in case. Rangitikei District Council can supply first aid kits, if required. If someone is injured:

- ⇒ Stop work and provide emergency first aid and support
- ⇒ Call emergency services if necessary
- ⇒ Advise Rangitikei District Council (RDC) as soon as possible on 0800 422 522
- ⇒ Prepare an accident report with assistance from Rangitikei District Council
- ⇒ To care for the environment we must also care for people working in it. For more information phone 0800 422 522.

## Emergency Contact Numbers

**Ambulance, Fire, Police    111**  
**National Poisons Centre    0800 764 766**

For WorkSafe codes of practice please visit <https://worksafe.govt.nz>.

### Flood Earthquake, Fire, Storms

**In the event of volunteers being caught in a natural disaster, the following procedure should be taken:**

- ⇒ Stop all work
- ⇒ All volunteers are to meet at a pre-determined area and everyone is to be accounted for and wait further instruction.



## Start of Day:

**Discuss assembly point and what to do in an emergency. Advise where the first aid kit and emergency cell phone are located.**

## Clothing / equipment / chemical usage

- ⇒ Wear suitable robust outdoor clothing and footwear, including gloves and hi-viz clothing
- ⇒ Use of agrichemicals may only be undertaken by Growsafe / approved handler
- ⇒ Use hand tools only. Machinery is not permitted, unless by prior consultation and agreed by RDC, whereby certification will be vetted

## Hazards

There are potential hazards involved with any community environmental project but with care and common sense they can be easily minimized or eliminated. Briefly discuss the main hazards at the start of each work session and always stop work if weather conditions become hazardous (heavy rain or high winds).





## People care

- ⇒ Ensure all workers, especially new ones, are well informed about the project and know how to work safely.
- ⇒ Your actions affect others; ensure you are aware of others around you at all times.
- ⇒ Always closely supervise any children taking part.
- ⇒ Make sure there is plenty to drink, especially in hot conditions.
- ⇒ Use sunscreen as required.
- ⇒ Take adequate rest.
- ⇒ Be aware of, and help any members who are getting tired.
- ⇒ Anyone under the influence of drugs or alcohol is not permitted to take part.
- ⇒ Anyone with allergies should carry personal medication and notify the community group coordinator.
- ⇒ Agree on a finish time for the day.



## Hazards and how to avoid them

People with hand tools working too close together (ensure at least 2 meters between workers).

Sharp objects in rubbish (take care when handling rubbish).

Unsafe use of hand tools (show new volunteers how to use tools correctly).

Uneven ground (take care to avoid falls and sprains).

Slippery or falling rocks and steep or unstable banks (avoid potential problem areas, choose routes carefully).

Poor lifting technique (bend knees when lifting and get help if required — the safe limit will differ from person to person but no one should be lifting anything

Water — cold or polluted water or rising streams (avoid where possible and be prepared to postpone work if necessary).

Sudden adverse weather conditions (check the weather report for the day, wear suitable clothing and be prepared to postpone work if necessary).

Vegetation, including rotten branches, trees and thorny or poisonous plants e.g nettle (avoid where possible, report concerns to Rangitikei District Council and never climb trees).

Fast moving tides if working on a beach (check the tidal and weather reports for the day, take care and postpone work if necessary).

Roads (work at least 2 metres from the road, wear orange high visibility jackets and use warning signs and cones( these are available from the Parks & Reserves Team) and always take extreme care — if you need to work within 2 metres of the road, talk to the Parks Team Leader about specialist road control

Heat/tiredness (seek shade, take adequate rest, food and drink, rotate and share the workload).

Beehive or wasp nests — leave the area if a nest or hive is disturbed; report wasp nests to Rangitikei District Council for eradication.



## Memorandum of Understanding

Between Rangitikei District Council Parks & Reserves and

.....

### 1. Purpose

This Memorandum of Understanding (MOU) recognises the partnership between the Rangitikei District Council, Parks & Reserves and..... for the purpose of jointly achieving:

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

.....

This is not a legal contract, but intends to enhance the partnership by clarifying the commitments, roles and responsibilities of each party.

### 2. Site Description

- .....
- See attached map

### 3. Shared objectives

.....  
.....  
.....  
.....  
.....  
.....  
.....

.....4. Rangitikei District Council agrees to recognise .....as a key community stake holder and partner with RDC to implement the agreed objectives.

- Designate a specific Council Officer to be primary contact with the group and liaise closely with the group.
- .....
- .....
- .....
- .....

5. Community Group.....agrees to:

- Carry out the following specific tasks within the groups capability to implement the objectives as soon as reasonably practicable
- .....
- .....
- .....
- .....
- .....
- .....

#### 6. Health & Safety

The overall responsibility to ensure that hazards to parks & reserves users are minimised within the natural wilderness character of the parks and reserves rests with RDC. RDC must take all practicable steps to ensure volunteers and other reserve users safety and hence the inclusion of the following section.

##### 6.1 Working bees

- There must be a nominee of Community Group .....on site during working bees whose role is to oversee site safety for the duration of the working bee. This person must have completed the RDC health and safety induction process.
- Any health & safety issues must be escalated to the RDC Parks & Reserves Team Leader. Community Group.....nominee will be

responsible for carrying out the health & safety brief to volunteers at the start of each working bee, referring to the Site Safe Assessment (see below) and Health & Safety guide for Rangitikei District Council Community environmental projects.

## **6.2 Requirement for all volunteers**

**Volunteers will ensure that they:**

- Perform required tasks safely
- Keep an eyes and ears approach for hazards at all times and report to the appropriate person.
- Let the Community Group nominee know if they feel they cannot safely undertake a task.
- No volunteer is allowed to work if they are under the influence of alcohol or drugs.
- All volunteers are required to be continually aware of each other's work practices. If any volunteer considers an operation by a single operator or by a group to be hazardous they should stop that person or persons from working and contact the Community Group nominee immediately. This person can then re-evaluate the situation and explain any changes to be made to all volunteers.

## **6.3 Hazard Management**

- There will be a Site Safety Assessment (SSA) in place prior to work commencing.
- All volunteers will be briefed by a nominee of the community group on the content of the SSA prior to them commencing work.
- Community Groups are expected to be involved in this process and remain aware of the contents of the SSA.
- An annual review of the SSA will be carried on site in Consultation with RDC as applicable.
- All new hazards that are found should be acted on and reported to RDC and recorded in the SSA

## **6.4 Accidents and Emergencies**

- All accidents or near misses of a serious nature must be reported to the RDC Parks & Reserves Team Leader as soon as practicable.
- Any accidents involving serious harm must be reported to the RDC Parks & Reserves Team Leader immediately via the RDC contact number 0800 422 522.
- Where a person has been seriously harmed no person shall alter the accident scene without the permission of Worksafe except to:
  - Save a life or prevent harm to any person

- Maintain access for emergency services
- Prevent serious damage or loss of property
- Any accidents involving Serious Harm will be investigated by RDC with the co-operation of the volunteers.
- Rangitikei District Council will supply first aid kits if required and can assist with first aid training if required. It is recommended that each group have a designated person who has basic first aid training and is responsible for the first aid kit.
- In order to obtain emergency help in the event of an accident a cell phone must be available at all times or an alternative system i.e. a buddy system must be implemented.

#### **6.5 The use of contractors by volunteer groups**

- All contractors work must be approved by RDC prior to commitment to the work
- Contractors must meet Parks and Reserves compliant status before work can be undertaken.

### **7. Terms of MOU**

This Memorandum of Understanding will continue until either RDC or Community Group.....

Wishes to make amendments, at such a time the two partners will work together to prepare a revised document.

#### **Agreement to MOU**

##### **Signed for RDC**

..... name  
 ..... title  
 ..... signature  
 ..... date

##### **Signed for Community Group**

..... name  
 ..... title  
 ..... signature  
 ..... date

#### **Appendix 1. Site Safe Assessment ( Hazards to be identified and marked)**

Site Plan/ aerial photograph with outline of site

# Attachment 3

## Santoft Domain Plant Recommendations

### Planting

Following are the recommendations for the planting of the shelter, wetland, stream, and screen and amenity plantings in the Domain.

I have taken into consideration all the recommendations as requested by the Santoft Domain Committee for the planting of this site. The species selection chosen have the ability to withstand the extreme climatic conditions a site like this can experience.

I have broken down this planting into several areas as each area to be planted has varying ground and climatic conditions. Plant species have been chosen to withstand the climatic and ground conditions experienced in each area. When mature, these species will give the desired effect of screening and environmental enhancement from surrounding locations.

Included in the following are full species selection, the number of plants required for each area and any other item that will be required for successful establishment of new plantings. Plants chosen are not poisonous to stock.

The planting is also designed to attract native birds to this area at different times of the year. Please refer to table four for flower and fruiting times of the plants included in these plantings.

### Table One: Pine removal replanting (Area 3 Yellow on map)

These two sites cover an area of approximately 3512 m<sup>2</sup> (420 long x 7-9m wide) and runs almost the length of the Domain. This area is marked yellow on the attached map. .

Consideration needs to be given to the need to plant the entire length or just selected areas, as much of the site will be grazed will this area need to be fully planting?

The following numbers can be altered should the committee decided to plant other species or reduce the area of planting.

All plants chosen for this area will be able to withstand both the prevailing weather conditions and the compacted soil following the removal of the pines.

Species	Common Name	Grade	Area one	Area two	Total Cost
			Pruned Pines	Unpruned Pine	
<b>Area of planting M2</b>			1526	1986	
<b>Number of plants</b>			583	753	
<i>Coprosma repens</i>	Karamu	Pb3	23		\$ 72.45
<i>Cordyline australis</i>	Cabbage Tree, Ti	Pb3	30	50	\$ 316.00
<i>Kunzea ericoides</i>	Karuka	Pb3	100	100	\$ 790.00
<i>Leptospermum scoparium</i>	Manuka	Pb3	50	100	\$ 592.50
<i>Olearia solandri</i>	Coastal Tree Daisy	Pb3	70	100	\$ 671.50
<i>Phormium cookianum</i>	Harekeke	Pb3	150	200	\$1382.50
<i>Pittosporum tenuifolium</i>	Kohuhu	Pb3	50	53	\$ 499.55
<i>Pseudopanax arboreus</i>	Fiver finger	Pb3	60	100	\$ 880.00
<i>Sophora godleyi</i>	Rangitikei form	Pb3	50	50	\$ 485.00
<b>Number of plants each area</b>			<b>583</b>	<b>753</b>	<b>\$ 5690.50 ex gst</b>

**Table Two: Wetland and Stream (Area 1 Green on map)**

These two sites covers an area of approximately 3292 m2 and includes both the wetland and drain margins marked green on the attached map.

Allowance has been made to plant wetland species at 1m centres and stream edge plants at 2m centres. All plants will be set back 1m from fencing to allow for possible damage from stock.

Species	Common Name	Grade	Area one	Area two	Total Cost
			Wetland	Drain edge	
Area of planting M2			1167	3355	
Number of plants			744	1200	
<i>Carex secta</i>	Native sedge	Pb3	80		\$ 316.00
<i>Coprosma robusta</i>	Karamu	Pb3		100	\$ 315.00
<i>Coprosma propinqua</i>	Mingimingi	Pb3	94	100	\$ 873.00
<i>Cortaderia toetoe</i>	Toetoe	Pb3	70	50	\$ 378.00
<i>Cyperus ustulatus</i>	Giant umbrella sedge	Pb3	300		\$1185.00
<i>Cordyline australis</i>	Cabbage Tree, Ti	Pb3	50	50	\$ 395.00
<i>Hebe stricta</i>	Koromiko	Pb3		100	\$ 395.00
<i>Kunzea ericoides</i>	Karnuka	Pb3		100	\$ 395.00
<i>Leptospermum scoparium</i>	Manuka	Pb3		200	\$ 790.00
<i>Olearia solandri</i>	Coastal Tree Daisy	Pb3		150	\$ 592.00
<i>Phormium tenax</i>	Harekeke	Pb3	150	150	\$1185.00
<i>Pittosporum tenuifolium</i>	Kohuhu	Pb3		100	\$ 485.00
<i>Pseudopanax arboreus</i>	Fiver finger	Pb3		50	\$ 275.00
<i>Sophora godleyi</i>	Rangitikei form	Pb3		50	\$ 242.50
Number of plants each area			744	1200	\$ 7823.50 ex

**Table Three: Screen Plantings (Area fuchsia on map)**

This area represents a small planting that will screen the house at 1001 Santoft Road from the developed area within the Domain. This area is marked fuchsia on the attached map.

This planting is designed that when mature will not block sun from this property and screen the house from activities within the Domain.

Species	Common Name	Grade	Number	Total Cost
Area of planting M2			629	
Number of plants			215	
<i>Coprosma propinqua</i>	Mingimingi	Pb3	10	\$ 49.50
<i>Leptospermum scoparium</i>	Manuka	Pb3	40	\$ 158.00
<i>Olearia solandri</i>	Coastal Tree Daisy	Pb3	40	\$ 158.00
<i>Phormium tenax</i>	Harekeke	Pb3	25	\$ 98.75
<i>Myrsine australis</i>	Kohuhu	Pb3	50	\$ 375.00
<i>Pseudopanax arboreus</i>	Fiver finger	Pb3	34	\$ 187.00
<i>Sophora godleyi</i>	Rangitikei form	Pb3	10	\$ 48.50
Number of plants each area			215	\$ 1074.75 ex gst

### **Feature Tree Planting**

I propose a number of trees to be planted within the camping/picnic site for long term shade for visitors. I also suggest that we replace the tree at the entrance that marks David Coulter memorial. A more coastal hardy species is recommended.



Feature trees:

- ***Metrosideros* “Mistral”** This species is a cross between a Rata and Pohutukawa, it grows to a height of 5m when mature and is coastal hardy.
- ***Quercus robur* “English Oak”** This species would make an ideal shade tree within the domain. Although it may get “Shaped” in the spring gales it will in time grow into a significant tree.

### **Native plant descriptions**

#### **Carex secta (Wetland Sedge)**

A robust wetland grass that will grow in very damp areas of the wetland area.

#### **Coprosma repens (Taupata)**

This tough little evergreen tree reaches a height of 3m when mature and can withstand dry and salt laden winds. It can however not withstand wet feet so should only be planted in the shelter line.

#### **Coprosma propinqua (Mingimingi)**

A small coastal wetland species that reaches a height of 2m when fully mature. This plant would only be planted on the edges of the drain or within the wetland. It needs some moisture throughout the year to grow well.

#### **Cortaderia toetoe (Toe Toe)**

Our native Toe Toe that requires damp conditions to grow well. This plant would be planted within the open wetland or on the edges of the drain.

#### **Cyperus ustulatus (Giant Umbrella Sedge)**

This sedge (Grass like) reaches a height of 1m when mature. It is one of the most prolific coastal native plants growing along drains and wetlands. This plant would be used in open wet areas.

#### **Cordyline australis (Cabbage tree)**

This one speaks for itself, would be planted along the drain and in the wetland.

#### **Hebe stricta (Hebe)**

Although this likes things on the damp side this would be ideal along the drain edge. Growing to a height of 3m when mature it is a quick grower that will provide summer flowers.

#### **Kunzea ericoides (Kanuka)**

Our coastal kanuka which grows naturally along the Foxton ecological district (Santoft included). This plant will be slow in sandy conditions but once established will form an excellent shelter tree or specimen tree. It will reach a height of 5m when mature. It is not only coastal tolerant but dry loving. Good for bees.

#### **Leptospermum scoparium (Manuka)**

This plant would need to be planted in the damp areas in the domain, it will not thrive in sand but will grow along the stream and within wet areas, extremely coastal hardy. Great tree to feed the bees in the area.

#### **Olearia solandri (Coastal Tree Daisy)**

A great coastal native that will grow in most areas of the domain. This tree has golden leaves and during summer it will be smothered in white flowers. Grow to a height of 3m when mature, it will take 4 years to reach this height. A great looking native shrub that grows naturally in the coastal area around Santoft.

### **Phormium tenax (Wetland Flax)**

This is our large leaved flax that is suited to most areas of the domain, would be used mainly along the stream and in the wetland. Grows to a height of 3m when mature and will attract native birds such as Tui into the Domain. A very robust species.

### **Pittosporum tenuifolium Small leaved Pittosporum or (Kohuhu)**

Ideal for along the stream and drain margins where moisture will be available year round for this tree. During spring this tree flowers heavily and is highly scented in the evening. Grows to a height of 3-4 m in this coastal environment.

### **Pseudopanax arboreus (Fiver Finger)**

Dry loving coastal five finger, a great plant for all areas of the Domain. For the shelter line it will be shaped by prevailing winds and until established may require some moisture to establish. For other areas in the domain it is ideally suited, when mature will reach a height of 3-4m. This plant grows naturally along the coastline between Wellington and New Plymouth.

### **Sophora godleyi (Kowhai)**

Our Rangitikei Kowhai is a robust tree that will grow well along the stream and wetland margins. When mature this will reach a height 4m, this tree will not grow in raw sand.

**Table Four: Bird Attracting Plants**

The following table indicated when the native plants chosen will flower and fruit.

Species	Part of plant	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<u>Cordaderia toetoe</u>	Seed												
<u>Coprosma propinqua</u>	Fruits and seeds												
<u>Cordyline australis</u>	Nectar and seeds												
<u>Olearia solandri</u>	Seeds												
<u>Phormium tenax</u>	Nectar, seeds, fruit												
<u>Phormium cookianum</u>	Mountain Flax												
<u>Leptospermum scoparium</u>	Nectar, bees												
<u>Pittosporum tenuifolium</u>	Nectar, seeds, fruit												
<u>Sophora godleyi</u>	Nectar												



Santoft Domain Management Plan

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