
Banks Peninsula Water Management Zone Joint Committee AGENDA

Notice of Meeting:

A meeting of the Banks Peninsula Water Management Zone Joint Committee will be held on:

Date: Tuesday 15 May 2018
Time: 4pm
Venue: Akaroa Recreation Pavilion
28 Rue Jolie, Akaroa

Membership

Members

Gina Waibl - Community Representative
Ian Lloyd - Community Representative
Garrick Thorn - Community Representative
Fiona Nicol - Community Representative
Paula Smith - Community Representative
Pam Richardson - Community Representative
Andrew Turner - Deputy Mayor Christchurch City Council
Elizabeth Cunningham - Councillor Environment Canterbury
Manaia Cunningham - Te Runanga o Koukourarata
Benita Wakefield - Te Runanga o Wairewa
Pere Tainui - Te Runanga o Onuku
June Swindells - Te Hapū o Ngāti Wheke/Rapaki

8 May 2018

Principal Advisor
Peter Kingsbury
Principal Advisor Natural Resources
Tel: 941 8487
Christchurch City Council

Zone Facilitator
Olivia Smith
Zone Facilitator
Tel: 027 886 3949
Environment Canterbury

Committee Advisor
Warren Brixton
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1. Apologies

At the close of the agenda no apologies had been received.

2. Confirmation of Previous Minutes

That the minutes of the Banks Peninsula Water Management Zone Joint Committee meeting held on [Tuesday, 17 April 2018](#) be confirmed (refer page 5).

3. Matters Arising from the Minutes

4. Deputations by Appointment

There were no deputations by appointment at the time the agenda was prepared.

5. Identification of Urgent Items

6. Identification of General Public Contributions

Banks Peninsula Water Management Zone Joint Committee OPEN MINUTES

Date: Tuesday 17 April 2018
Time: 4pm
Venue: Allendale Community Centre, Governors Bay Teddington Road, Allendale

Present

Chairperson	Paula Smith - Community Representative
Members	Gina Waibl - Community Representative
	Ian Lloyd - Community Representative
	Garrick Thorn - Community Representative
	Fiona Nicol - Community Representative
	Pam Richardson - Community Representative
	Andrew Turner - Deputy Mayor Christchurch City Council – arrived 5.10pm
	Elizabeth Cunningham - Councillor Environment Canterbury
	Manaia Cunningham - Te Rūnanga o Koukourarata
	Benita Wakefield - Te Rūnanga o Wairewa
	Pere Tainui - Te Rūnanga o Ōnuku
	June Swindells - Te Hapū o Ngāti Wheke/Rapaki

4 May 2018

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The meeting opened with a Karakia led by Manaia Cunningham.

The agenda was dealt with in the following order.

1. Apologies

The apology of Deputy Mayor Andrew Turner for lateness was accepted.

2. Confirmation of Previous Minutes

Committee Decision

It was decided that the minutes of the Banks Peninsula Water Management Zone Joint Committee meeting held on Tuesday, 20 March 2018 as circulated be confirmed, subject to the following amendments:

Attendance: Add Tori Peden, Banks Peninsula Community Board member.

Confirmation of Previous Minutes: Replace 20 February 2018 with 21 November 2017

Le Bon's Bay Water Workshop: Delete the sentence beginning "Ian Lloyd suggested...."

3. Matters Arising from the Minutes

Nil.

4. Deputations by Appointment

There were no deputations by appointment.

5. Identification of Urgent Items

Nil.

6. Identification of General Public Contributions

Nil.

7. Correspondence - Letter of Support

The report was taken as read.

Joint Committee Decision

The Banks Peninsula Water Management Zone Joint Committee decided to receive the information in the correspondence.

The Zone Facilitator is to arrange for a complete submission of the Little River Wairewa Community Trust's submission to the Long-Term Plans to be circulated to members.

8. Facilitators Update - 20 March

The report was taken as read.

Matters Arising:

- (i) Visit to Orton Bradley Park to discuss ecosystem health – Tim Davies and Ian Lloyd had met with the Park Manager to discuss the aquatic ecosystem health findings from the monitoring site. Ian described the park farming operations. There three farms in the catchment above but Orton Bradley Park covers most of the area.

As a result, there is need to look at the data in detail and have follow up visits. Pam Richardson suggested a “catchment” approach . Ian advised that Tim Davie is to get back to him regarding what further monitoring ECan may be able to do. Ian will provide an update on this at next meeting.

- (ii) Progress on Wairewa Bank Stabilisation Project - Pam Richardson referred to incredible work being done in Wairewa as part of the River Rating District.
- (iii) Water Shed Event – Ian Lloyd gave a plug for the event, especially the youth that presented. Ian encouraged the committee to think about how we can get youth involved in water management. Olivia Smith suggested we invite Hannah the leader of the Youth Engagement Team to speak with the communitiy about ideas on engaging youth.
- (iv) Chairman in local paper – other Committee members were invited to contribute to the “Soap Box” feature and other forums.

Joint Committee Decision

That the Banks Peninsula Water Management Zone Joint Committee:

1. Receive the information in the Facilitator’s report.

9. Natures Agents Monitoring Programme

Kirsty Brennan spoke of the science education programme that EOS Ecology have developed. The programme will be of huge benefit to the community and conservation.

School children were collecting data which would be collated in a spreadsheet and could be used with ECan monitoring data to better understand the health of some of our waterways.

Members strongly supported the school programmes and suggested Orton Bradley Park and Morgan’s Gully in Diamond Harbour where Immediate Steps Funding has been invested, as possible sites for schools to investigate. There was also discussion about how cultural monitoring could be included in the programme.

Staff Recommendations Decision

That the Banks Peninsula Water Management Zone Joint Committee consider the role it can play in supporting the monitoring and the communication of the results.

Joint Committee Decision

That the Banks Peninsula Water Management Zone Joint Committee:

1. Receive the information in the report.
2. Invite students to attend a Zone Committee meeting to present findings.
3. Provide ongoing support for the Natures Agents monitoring programme.

Deputy Mayor Andrew Turner arrived at 5.10pm.

10. Farm Environment Plans - Banks Peninsula 2018

Ian Lloyd in speaking to his report referred to the two options provided. Alternatively, the Committee could take a combination of both options presented.

Joint Committee Decision

That the Banks Peninsula Water Management Zone Joint Committee decided:

1. Option 1 - That the Zone Committee take a lead on Farm Environment Plans and include both Mahinga Kai and biodiversity. Two workshops to be held in 2018 with one in Whakaraupō and another in location that is to be confirmed.
2. A working group of members be developed to help develop the workshops and engage landowners.
3. That as a first step both ECan and CCC be asked to provide the resources needed.

11. Response to Zone Committee Recommendations regarding Onsite Domestic Waste Water Management on Banks Peninsula

Julie Williamson CDHB was able to provide the key findings of a research programme carried out at Darfield. The surveys shows that a large number of people did not maintain their septic tanks and although many had issues, there was not a significant health risk that required immediate action in that location.

Mike Bourke CCC spoke about the wastewater upgrades that are scheduled in the proposed CCC Long Term Plan. Mike advised that stage 2 for Wainui wastewater has been pushed back for some time. He considered Wainui a good case study for research. It was suggested that the Wainui community is a really engaged community that might be able to conduct its own survey.

June Swindells raised a concern about how district plan rules can restrict development in the Papakāinga zone due to the need to have large section sizes to allow for onsite wastewater disposal. Benita Wakefield expressed support for finding out about this. It was agreed that more clarity is

needed. Advice is to be sought from planning staff whether and what constraints there are around onsite waste water requirements in the Papakainga zone.

Staff Recommendations Decision

That the Banks Peninsula Water Management Zone Joint Committee:

1. Recommend that a pilot research/education project be undertaken with one school on Banks Peninsula in 2018. This could include a questionnaire, fun factsheet and an opportunity for the school to present results to the zone committee. Zone committee members to consider what role they could play in this.
2. Recommend CCC and Ecan continue to be involved in the Water NZ national on-site wastewater treatment testing programme.
3. Recommend that Ecan Zone delivery staff contact contractors and enquire about servicing history/issues on the Peninsula and report back to the committee.
4. Consider how information about systems and their maintenance could be communicated effectively to Banks Peninsula communities, particularly target communities like Wainui. Think about the different communication mediums (e.g., social media) and the best voices for these messages to come from. What role can committee members play in this?

Joint Committee Decision

That the Banks Peninsula Water Management Zone Joint Committee:

1. Recommend the Christchurch City Council and Environment Canterbury continue to be involved in the Water NZ national on-site wastewater treatment testing programme.
2. Recommend that Environment Canterbury Zone delivery staff contact contractors and enquire about servicing history/issues on the Peninsula and report back to the committee.
3. Recommend that Environment Canterbury prioritise monitoring of Wainui septic tanks .
4. Recommend that a research study be undertaken at Wainui. This is to include a questionnaire and risk assessment.

It was noted that both Andrew Dakers and Kevin Simcock, who have an interest in this subject, need to be kept informed.

A dinner break was taken between 6.25pm and 6.52pm.

12. Future Management of Forestry on Banks Peninsula

This report was considered together with the Item 13, Waiaki Forestry, Loudon Farm and Forestry on Banks Peninsula.

Nathan Dougherty provided a slide show showing the damage to the Waiake Stream. It is proposed to carry out further survey work with the use of a drone.

Other slides shown included:

- Forestry risks
- Forestry – recommended action
- Recommended forestry compliance programme
- Forestry – current erosion problem
- Forestry – what is the goal?

Joint Committee Decision

That the Banks Peninsula Water Management Zone Joint Committee:

1. Accept the offer of Nadine Domnisse to provide an implementation plan for the implementation of the new regulatory framework for forestry.
2. Obtain a briefing from CCC planning staff about how this has influenced what has happened at other low-lying properties at Teddington.
3. Recommend that ECan and CCC work collaboratively to prepare an information sheet for land clearance and forestry on Banks Peninsula.
4. Recommend that ECan consider further investigating the ecological and water quality impacts of the event that occurred in Waiake Stream and what mitigation/rehabilitation options are available.

13. Waiaki Forestry, Loudon Farm and forestry on Banks Peninsula

This report was considered together with Item 12, Future Management of Forestry on Banks Peninsula, and the same Joint Committee Decision made as at Item 12.

Tracy Curragh whose property at Teddington was given the opportunity to advise:

- The extent of inundation that occurred at Teddington
- Help was needed
- The harbour needed to be protected.

April Meeting Agenda

1. Strategic allocation of IMS
2. Youth engagement
3. Communications
4. Zone delivery update

The next meeting of the Committee will be held on Tuesday, 15 May 2018, Akaroa Recreation Centre or Onuku Marae (to be confirmed) with a potential afternoon field trip.

Meeting concluded at 8.05pm.

CONFIRMED THIS 15TH DAY OF MAY 2018

**PAULA SMITH
CHAIRPERSON**

7. Facilitators Update - 16 May 2018

Reference: 18/459617

Presenter(s): Olivia Smith Zone Facilitator

1. Purpose of Report

- 1.1 The purpose of this report is to inform the Banks Peninsula Water Management Zone Joint Committee of community engagement events/ relevant updates and actions from previous meetings.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Joint Committee:

1. Receive the information in the Facilitator's report.
2. Provide feedback on the Omnibus Plan Change Paper

3. Report

4. Recent Events

Event	Target Audience
Nature Agents Day - Akaroa School 3 May	School students and committee members invited to attend
Nature Agents Day - Duvauchelle School at Pawsons Stream on 9 May	School students and committee members invited to attend

5. Upcoming Events

Event	Target Audience
Community Planting Day at Living Springs, Tuesday, 19 June 2018 from 9:30 am to 4:30 pm	Community members.

6. Relevant Updates for zone committee information

Paper on the Omnibus Plan Change to Environment Canterbury's Land and Water Regional Plan.

7. Actions- Update on matters raised at previous meetings

Matter	Update
ZC Communications	Advert for committee meeting completed including social media adverts Garrick Thorn completed Soap Box item on natures agents. This will go to print on the 16 th May.

	Charlotte O'Sullivan (communications advisor) was planning to attend this meeting however she now has other commitments. She is keen to attend the June meeting to seek feedback on additional communication ideas.
Whakaraupo Catchment Management Plan- Update	Elizabeth Cunningham to provide brief verbal update from the governance group meeting.
Forestry	<p>CCC planning staff to attend meeting to brief committee members on how the district plan manages forestry.</p> <p>Nadeine/Steve/ Nathan to report back to committee. Response required on 2 recommendations in Ian Lloyds report and clarity to be provided on how Ecan plan to manage forestry on the Peninsula.</p>
Onsite Wastewater Systems Recommendations	<p>A meeting has been held with Ecan staff (science and zone delivery) to determine a suitable way to progress and resource the zone committee's recommendation regarding the Wainui research project.</p> <p>Ecan staff have begun on a simple information sheet about septic tank selection and maintenance.</p>
Youth engagement	Hannah Dunlop (Team leader of Youth Engagement at Ecan) is keen to attend to the June meeting to discuss how the zone committee could engage youth.

Attachments

No.	Title	Page
A ↓	Omnibus Plan Change 2019	15

AGENDA ITEM NO:	SUBJECT MATTER: OMNIBUS PLAN CHANGE 2019
REPORT: BANKS PENINSULA ZONE COMMITTEE	DATE OF MEETING: 15 May 2018
REPORT BY: Andrea Richardson, Senior Planner – Environment Canterbury	

PURPOSE

1. To seek feedback from the Zone Committee on any new urgent regionally significant topics to be considered for inclusion in the Omnibus Plan Change to the Canterbury Land and Water Regional Plan (*Omnibus Plan Change*), with a notification date of mid-2019.

STAFF RECOMMENDATION

2. That the Zone Committee:
 - a. Reviews the list of urgent regionally significant topics proposed for the Omnibus Plan Change (Attachment 1); and
 - b. Advises if there is any other urgent regionally significant topic that should be addressed in the Omnibus Plan Change, along with the following information:
 - i. Why is the issue significant for the Canterbury region;
 - ii. Who and/or what is affected because of the issue;
 - iii. What your Zone Committee considers should be done to address the issue; and
 - iv. How urgent is the issue (e.g. how would the effects of the issue change if it was addressed in 4-5 years' time rather than now?).

REPORT

3. The Omnibus Plan Change ensures the regional planning provisions in the Canterbury Land and Water Regional Plan (LWRP) are responsive to new directives from central government, emerging environmental issues, and changes in matters that are strategic priorities for Environment Canterbury. The Omnibus Plan Change will only make changes to the LWRP, and will not change any other Canterbury regional plan that control specific aspects of land and water separately. Key milestones for this project include engagement with Zone Committees on potential changes to the LWRP to address the regionally significant issues in the last quarter of 2018, public notification of the proposed plan change in mid-2019, a public hearing on submissions on the plan change in early 2020 and a decision to be notified by mid-2021.
4. We welcome your feedback as to whether there are any other regionally significant topics that your Zone Committee considers should be included in the Omnibus Plan Change. Please note that for each new topic added to the list, it is likely that a regionally significant topic listed in Attachment 1 would need to be removed in order to meet the mid-2019 notification timeframe.
5. Each new topic for Omnibus Plan Change needs to meet the following criteria:

- a. It is an issue that is likely to apply to the whole Canterbury region (i.e. it is not only applicable to one sub-region); and
 - b. It is urgent and important for the sustainable management of natural and physical resources in Canterbury.
6. If your Zone Committee identifies a new topic that meets the above criteria, we would appreciate you providing the following information on the issue:
 - a. What is the issue and why is it significant for the Canterbury region;
 - b. Who and/or what is affected because of the issue;
 - c. What your Zone Committee considers should be done to address the issue; and
 - d. How urgent is the issue (e.g. how would the effects of the issue change if it was addressed in 4-5 years' time rather than now?).
7. Once all Zone Committees have provided feedback, Environment Canterbury's Councillors will evaluate which regionally significant topics should be included in the Omnibus Plan Change 2019. One of the considerations that Councillors will take into account when evaluating which significant topics should be included is the technical analysis and reporting workload required to support the plan change. The workload and timeframes are such that for each new topic added to the list, it is likely that a regionally significant topic in Attachment 1 would need to be removed to meet the mid-2019 notification timeframe. A final decision on any changes to the regionally significant topics listed in Attachment 1 will be made by Councillors in the middle of this year after consideration of your feedback. We will advise of the outcome of that decision as soon as possible after this time.
8. Environment Canterbury staff would be happy to attend one of your Zone Committee meetings in the last quarter of 2018 to seek your feedback on potential plan change amendments to address the regionally significant Omnibus Plan Change topics.

Attachment 1: Proposed Regionally Significant Topics for Omnibus Plan Change 2019

Topics	Rationale and Implementation impacts
Braided Rivers	<p>There is an urgent need to define the edge of the 'bed' of Canterbury's braided rivers to ensure riverbed values are appropriately protected. Braided rivers have beds that are dynamic, with multiple channels creating a time series of recent and very old current and former channels across a 'braid plain' that extends well beyond that area that might now be described as the 'active bed' or even 'recently active bed'. Therefore, the features of braided rivers are not easily aligned with the definition of 'bed' in the LWRP.</p> <p>Priority for this amendment is high as there will be high implementation benefits.</p>
Tangata Whenua values	<p>There is an urgent need to amend provisions to ensure Tangata Whenua values are appropriately considered and provided for when making decisions on some controlled and restricted discretionary consent applications. For some activities (for example excavation of land) the ability of a decision maker to consider effects on tāngata whenua values is inappropriately constrained.</p> <p>Priority for this amendment is high as it will increase protection of Tangata Whenua values.</p>
Increased protection of indigenous freshwater species and habitats, and habitats of other species with significant fishery values.	<p>There is an urgent need to increase protection of habitat of indigenous species and other species with significant fishery values. Increased protection is sought for Canterbury Mudfish habitat and other critically endangered species and/or valuable but declining mahinga kai. Amendments to provisions are required to address incremental loss of stream habitat occurs through diversion, re-alignment, piping and reclamation. The Salmon Spawning Sites listed in the LWRP may not cover all identified spawning sites.</p>
Implementing requirements of National Policy Statement for Freshwater Management	<p>Region-wide provisions need to give effect (as far as practicable) to the 2014 and 2017 amendments to the National Policy Statement for Freshwater Management (NPS FM), which requires Councils to establish freshwater management units and limits to achieve freshwater outcomes.</p> <p>Implementation impacts are moderate-high in terms of benefits to water quality and recreational outcomes.</p>
Horticultural operations	<p>There is an urgent need to amend LWRP provisions to ensure the particular constraints that apply to horticultural operations are recognised and provided for. To avoid soil-borne diseases horticultural operations must rotate the land they lease and the type of crop grown on the land. Compliance with the LWRP farming rules is challenging for</p>

Topics	Rationale and Implementation impacts
	<p>these operations as the nitrogen loss limit that applies to the farm is restricted by the crop type grown during the nitrogen baseline period.</p> <p>Priority for this amendment is high as it will have high implementation impacts. No successful LWRP implementation pathway has been found to address the issue.</p>
Implementing requirements of National Environmental Standards for Plantation Forestry	<p>Review and (if necessary) amend LWRP provisions to ensure they are consistent with the National Environmental Standards for Plantation Forestry (NES-PF). The NES-PF prevails over LWRP rules except where the NES-PF specifically allows more stringent regional plan rules.</p> <p>Priority for these amendments (if any provision changes are identified) is high given the NES-PF takes effect on 1 May 2018.</p>

8. Verbal Briefing from Christchurch City Council Planning Staff

Reference: 18/459740

Presenter(s): Olivia Smith Zone Facilitator & Kent Wilson Senior Planner (CCC)

1. Purpose of Report

- 1.1 The purpose of this report is to brief the Banks Peninsula Water Management Zone Joint Committee on how the District Plan manages forestry and development in Papakāinga Zones.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Joint Committee:

1. Receive the briefing.

3. Report

At the Zone Committee meeting in April, members recommended that the committee receive a briefing from CCC planning staff on 3 matters.

1. **Forestry**- During a discussion about how Environment Canterbury manage forestry, committee members suggested that it would be useful to receive a briefing on the role CCC play in managing forestry on Banks Peninsula.
2. **Development and onsite wastewater requirements in Papakāinga Zones** – June Swindells enquired about how requirements for onsite wastewater systems influence development opportunities in Papakāinga Zones.
3. **Low lying land in Teddington Basin**- A Teddington land owner attended the April zone committee meeting and raised concerns about low lying sections of her property. Her concerns related to damage to her property from sea water and the weather event that caused damage to Loudon farm. In response to these concerns, a committee member suggested it would be helpful for the committee to get a briefing from CCC planning staff on how these issues are been managed.

Kent Wilson (Senior Planner, CCC) will attend the zone committee meeting. Kent will outline how the district plan manages forestry and will talk about development in the Papakainga Zones. Kent will confirm that CCC are having ongoing conversations with landowners in Teddington however he will not discuss the specific detail of individuals situations.

Attachments

There are no attachments to this report.

9. Strategic Allocation of Immediate Steps Biodiversity Project

Reference: 18/459873

Presenter(s): Olivia Smith Zone Facilitator

1. Purpose of Report

The purpose of this report is to propose the establishment of a Biodiversity Working Group to develop a strategic approach for allocating the Immediate Steps Biodiversity Fund in the Banks Peninsula Zone.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Joint Committee:

1. Establish a Biodiversity Working Group to develop a strategic approach for allocating the IMS Biodiversity Fund.

3. Report

The Immediate Steps Biodiversity Fund is a fund held by Environment Canterbury (Ecan) which zone committees allocate to biodiversity projects in their zone. Each financial year there is \$100,000 available to each of the ten zone committees in Canterbury.

Landowners are encouraged to contact Ecan biodiversity staff if they think they have a project that could potentially meet the criteria of the fund. After an initial site visit and confirmation that the project meets the criteria, the landowner is encouraged to prepare an application. This application is then assessed by staff and projects are presented to the zone committee for decision.

Over the past 7 years the Banks Peninsula zone committee have funded a wide range of projects in the zone (refer to attached map updated to May 2017; a booklet of projects will also be provided to new members at the meeting). In 2014 the zone committee agreed on a list of priority catchments and it was intended that the zone committee would use this to prioritise projects for funding. The catchments included:

- Pohatu/Flea Bay Streams (Outer Bays)
- Opara Stream (Outer Bays)
- Narbey Stream (Outer Bays)
- Koukourarata Stream (Outer Bays)
- Allandale Stream (Lyttleton/Whakaraupo)
- Okuti Stream (Wairewa)
- Te Awa Iti/Kaik Stream (Akaroa)
- Te Wharau Stream (Lyttleton/Whakaraupo)
- Te Kaio/Tumbledown Bay (Southern Bays)
- Fish passage projects

Zone committees have different strategies for prioritising projects. Some committees have priority catchments or ecosystem types (e.g. lowland streams, braided rivers) while others prioritise protection projects with high ecological scores. Nine of the ten zone committees consider projects when they are

processed and brought forward by the biodiversity officer. The only exception to this is the Christchurch West Melton Zone Committee. This committee has two funding rounds with specified open and close dates. In this case the committee review projects twice a year for decision.

In the 2017/2018 financial year, applications for projects on Banks Peninsula exceeded the available funding (i.e. the total value of the projects brought to the committee for decision exceeded \$100,000). In November 2017 the committee agreed that they needed a more strategic way to allocate the fund. It was also suggested that applicants needed to receive a timelier response on whether their project would receive funding. It was agreed that the committee would discuss options to address these issues prior to the start of the 2018/2019 financial year.

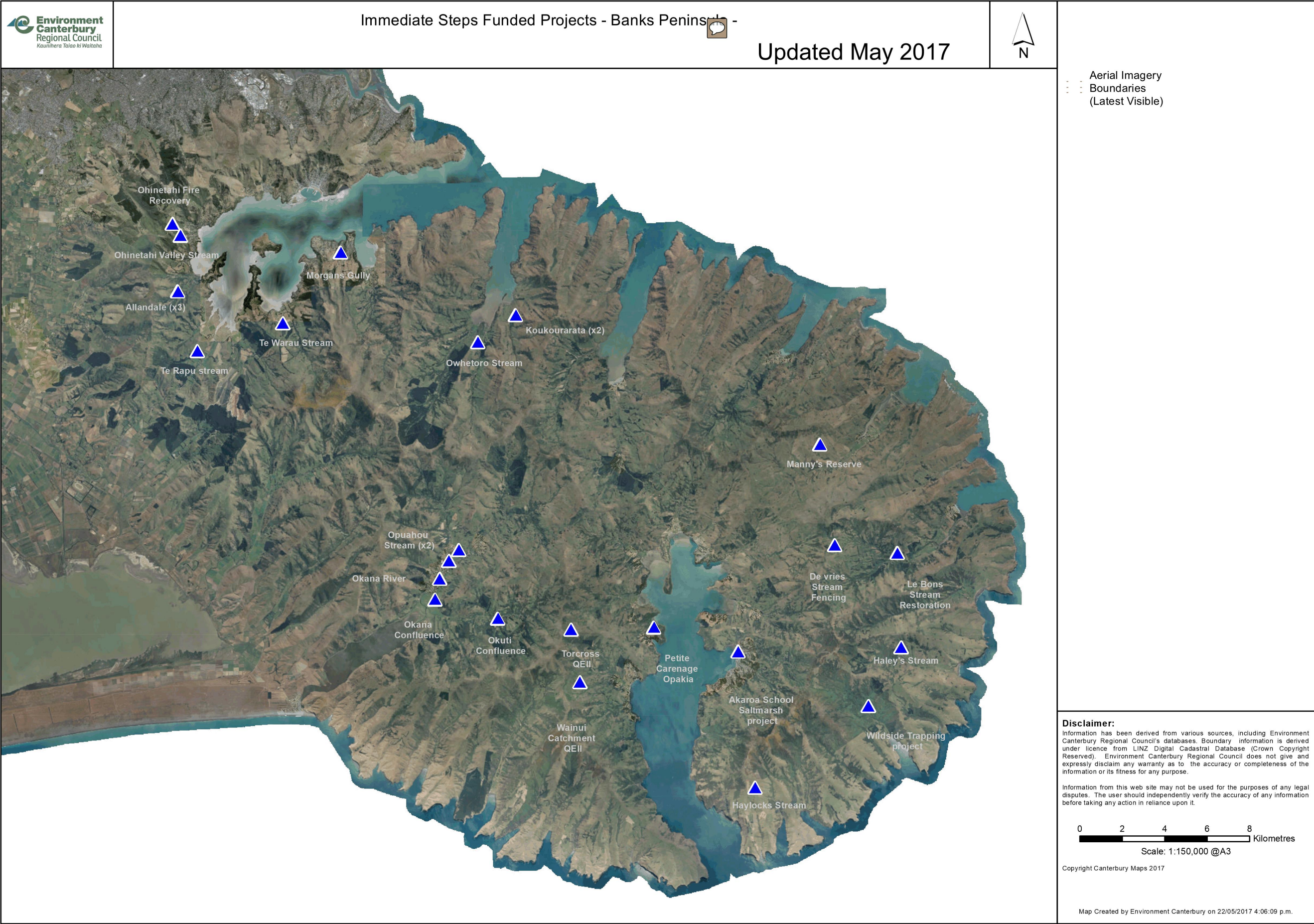
Currently, there are about 15 applications awaiting decision (10 of these are covenants). All the 2017/2018 funding has been spent and the 2018/2019 funding is available on the 1 July 2018. Given this, there is a need for the zone committee to:

1. agree on how to deal with the current backlog of applications and prioritise projects for the 2018/2019 funding round which is available on the 1 July 2018.
2. develop on a long-term approach for allocating the fund. This includes how projects are to be prioritised and how the timeframes for applications are managed.

Staff suggest that at a Zone Committee Biodiversity Working Group be formed to address the two matters listed above. The role of the working would be to work with the biodiversity Officer, Helen Greenup, and the facilitator to develop a recommendation for a preferred strategy to allocate funding. This recommendation would then go to the zone committee for decision.

Attachments

No.	Title	Page
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10. Zone Delivery Team - Quarterly Report

Reference: 18/460039

Presenter(s): Olivia Smith Zone Facilitator

1. Purpose of Report

- 1.1 The purpose of this report is to update the Banks Peninsula Water Management Zone Joint Committee on CWMS delivery outcomes

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Joint Committee:

1. [Receive the information in the report](#)

3. Report

As per attached CWMS Zone Delivery Banks Peninsula Zone Committee

Attachments

No.	Title	Page
A ↓	Quarterly Report	26

Report Date: October 2017 – end March 2018

Reported to BPZC 15 May 2018

CWMS ZONE DELIVERY BANKS PENINSULA ZONE COMMITTEE



WHAT ARE WE TRYING TO ACHIEVE?

ZIP Outcomes

Kaitiakitanga – All streams, freshwater wetlands, Te Roto O Wairewa, salt marsh/estuaries, springs and harbours in the Banks Peninsula Zone have Kaitiakitanga as an overarching value and reflect Ki Uta Ki Tai, Mauri, Mahinga kai to tangata whenua, Wahi Tapu and Wahi Taonga.

Water Quality – People in the Banks Peninsula Zone have access to safe drinking water, as defined by the New Zealand Drinking Water Standards (NZDWS). Water quality in Banks Peninsula waterways is regularly monitored. Policies and rules are developed to maintain water quality and improve it where appropriate.

Water Quantity – There is enough water available in the Banks Peninsula Zone to meet the needs of daily living, stock water, and fire fighting storage as a priority, and allow allocation for other uses where these priority needs are already being met.

Allocation of water required to meet these needs is subject to flow and allocation limits so that the unique values of the Banks Peninsula streams are protected.

Biodiversity – Banks Peninsula is recognised in the region for showcasing flourishing biodiversity. Protection and enhancement of biodiversity is promoted, supported and celebrated. Flagship Projects are showcased as examples of excellent biodiversity achievement.

Erosion and Sediment Control – Sediment discharge into waterways is minimised. Sediment build-up in the harbours is managed sustainably to prevent damage to Mahinga Kai and Kai Moana from erosion and sedimentation.

Te Roto O Wairewa – (i) Te Roto O Wairewa is a nationally and regionally significant 'Flagship Project' showcasing outstanding environmental restoration. The lake has a Trophic level index (TLI) of 4 within 20 years and can support Mahinga Kai and contact recreation within 15 years. (ii) All streams that flow into Te Roto O Wairewa are flourishing ecosystems reflecting Mauri, Kaitiakitanga and Mahinga Kai values.

Wastewater – Wastewater is not discharged to the harbours but reclaimed to land. Wastewater is treated to a high quality and promoted as an innovative water and irrigation source for the Peninsula.

Climate Change – Climate Change effects are taken into account in all infrastructure upgrades and planning on Banks Peninsula. As the climate changes there is adequate water available and flooding is minimised.

Education and Communication – The Banks Peninsula community is empowered by education in environmental management. Environmental successes in the Zone are appropriately recognised and publicised.

Coastal – The harbours are a natural extension of the rivers and streams. The marine biodiversity of the harbours is protected and restored.

Five Year Outcomes for Zone Team Work Programme

Access to Safe and Reliable Drinking Water

Stormwater is treated to a better standard at source and the public's stormwater network's ability to treat stormwater has improved.

Flood Management in the Wairewa Catchment

Waterways in the Wairewa catchment are well managed, flood hazards reduced, stream banks stabilised and protected. Improved Stormwater

Improved Stormwater Management and Reduced Sediment Discharges

Discharges Programmes are established to reduce sediment discharges to waterways from stream bank and hill slope erosion

Operate at Good Management Practice (GMP)

Good management practice (GMP) is understood. Farmers use GMP as a standard and farm practices are changed as opportunities arise.

The Value of Biodiversity is recognised in its own right and embraced through Kaitiakitanga

Community strongly committed to improving biodiversity and understanding its value and significance. Kaitiakitanga is embraced as an overarching value in all streams, freshwater wetlands, Te Roto O Wairewa, saltmarsh/estuaries, springs and harbours in the Banks Peninsula Zone and reflect Ki Uta Ki Tai, Mauri, Mahinga Kai to tangata whenua, Wahi Tapu and Wahi Taonga

Support Community Ownership

Community understand water and land use issues and collaborate in finding practical solutions and take actions. Environmental successes in the zone are appropriately recognised and publicised

Whakaraupō/Lyttelton Harbour Catchment Management Plan

Canterbury Regional Council, Lyttelton Port Company Limited, Te Hapu o Ngāti Wheke, Christchurch City Council and Te Rūnanga o Ngāi Tahu are collaborating on the development of the Whakaraupō/ Lyttelton Harbour Catchment Management Plan. This initiative will see these organisations working with the community and other stakeholders to plan and coordinate restoration of the ecological and cultural health of the harbour.

Raise Awareness of Climate Change Effects

Improve the availability and quantity of fresh water from waterways reliant on rain on Banks Peninsula and address climate change issues

Resource Consent Monitoring is Prioritised within the Zone

Resource Consent Monitoring will be prioritised on Banks Peninsula in relation to priorities in the Zone

Report Date: October 2017 – end March 2018

Reported to BPZC 15 May 2018

KEY MATTERS TO RAISE WITH THE COMMITTEE		
<ul style="list-style-type: none"> - Forestry NES work - ECan to Schedule MPI & Industry group meeting in June - Continued contact with industry and MPI - Create webpage for industries - Establish a compliance strategy 		
OPPORTUNITIES	IMPACT	GAME PLAN
<ul style="list-style-type: none"> • Nature Agents • Whakaraupo Catchment Plan 	<ul style="list-style-type: none"> • Medium • High 	<ul style="list-style-type: none"> • Target schools & community groups • Continued support
HOW CAN THE ZONE COMMITTEE ADD VALUE?		
<p>Continue collaboration through all Zone Committee working groups to provide governance and leadership for associated projects</p> <p>Raise awareness and advocate for:</p> <ul style="list-style-type: none"> • FEPs & GMPs • Promoting the Incident response hotline around Sediment discharges • Community understanding land and water issues 		

KEY PROGRESS TO DATE
<p><i>NB: many bullet points can be put under multiple outcome headings, but to save space, just put in one place</i></p> <p><u>Flood Management in the Wairewa Catchment</u></p> <ul style="list-style-type: none"> • Meet with Department of Conservation to have permission and access to banks on Okana, Okuti and Takiritawai Rivers downstream of Kinloch Road to prepare, plant and carry out maintenance (weed) to protect plants as they grow. Align project work here with DoC policies to conserve enhance and protect habitat for birds (e.g. Crested Grebe, Herons, other native birds etc) and aquatic life (e.g. inanga, Tuna (eels). Application for permission submitted to Department of Conservation. Good discussions with DoC officers, propose that we to work together with this part of the bank stabilisation project. • From Maori Land Court, obtain land owners names for 23 Wairewa Reserves IBlock 887. Permission is needed from land owners with bank sites in need of stabilisation before remedial work is carried out their land, • Anticipate that help is wanted from Wairewa administrators to find and contact landowners and/or for whanau trusts, Trustees. • Meeting with Rei Simon, Chairman of Wairewa Rūnanga. Rei confirmed Wairewa rūnanga are prepared to support and jointly lead the Bank stabilisation project with the Banks Peninsula Zone Committee.

Report Date: October 2017 – end March 2018

Reported to BPZC 15 May 2018

Improved Stormwater Management and Reduced Sediment Discharges

- Erosion and Sediment Control Lyttelton Harbour/Whakaraupō Roadside Cuttings: Stage 2 trial design development. This stage of the project began in mid January 2018 and is expected to be complete in mid December. Stage 2 has been contracted out to EOS Ecology Ltd. Stage 2 is the development of the design of the trial and estimation of probable implementation costs. Trial of suitability of some erosion and sediment control options at four sites – Alderson Avenue (CCC land), Rapaki Bay (public road), Governors Bay (public road), Charteris Bay (private driveway). Findings from this Stage 2 will be used to help the Project Steering Group determine the final project design, budget allocation, and implementation phases. Stage 2 is required before Stage 3. Stage 3 is the implementation of the developed design/methodology at sites agreed to by the Project Steering Group (subject to landowner approvals). Contracting for Stage 3 will involve a tender process. (project leads from ECan: Shelley Washington; project lead from CCC: Peter Kingsbury).
- Prepare information sheet for Banks Peninsula landowners on responsibilities for stream banks in terms of stabilisation, fish passage and flooding. Info sheet completed by Shelley Washington (coordinating input from various staff) to brief provided by Pam Richardson from BPZC. CCC staff want to make large changes and not approve completion. CCC staff have met with Pam and decided to go back to the BPZC to further discuss, amongst other matters, the purpose and target audience. The feeling of the group was that the flyer was trying to be “too much to too many people” and that three or four key messages were needed. Also discussed was the need to build several other timely engagement activities around the release of the brochure, rather than just sending the brochure out (say) with the rates demand. A series of brochures, for example “guidelines to general maintenance”, “rules and regulations around waterways”, “fish passage considerations” etc. were considered a more effective way of informing people and changing behaviour. (Shelley has completed her role with this task. Over to CCC staff now to work with BPZC on this. ECan will still be happy to see final drafts and have ECan logo on provided information relating to ECan is still factually accurate in terms of rules. They can liaise with Banks Peninsula Land Management Advisor, and rule interpretation and communications staff)

The Value of Biodiversity is recognised in its own right and embraced through Kaitiakitanga

- Applications for the next round of IMS funding began early this year, with prospective projects including covenants presented by QEII and BPCT, and two small scale community projects. Site visits have been undertaken for most projects. There is a total of \$90,000 to spend this budget year, with \$10,000 pre-allocated to the Okuti River Community project.

Progress from projects funded last budget year:

- The Onuku heights project was signed and work has been completed, we are awaiting a final report.
- The two BPCT covenants funded last year are well underway, nearing completion.
- The Okuti River Community project has begun with willow/weed species removal as the first stage of the project.
- A few older IMS projects have now been completed with final reports provided and follow up site visits undertaken by the biodiversity officer.

Support Community Ownership

- Drop In at CCC Service Centre at Little River has provided residents somewhere to make contact, where to get advice on environment matters like Zone Committee work, managing discharge of stormwater, tree branches in rivers, help with biodiversity. It is a valuable chance to meet people in the district that become good contacts.
- Involved with local residents, CCC officers, Community Board members re stormwater and flood control in Awa-iti including around Coronation Library; Stormwater control from the hill behind the commercial area of Little River.

Report Date: October 2017 – end March 2018

Reported to BPZC 15 May 2018

Resource Consent Monitoring is Prioritised within the Zone

During the past 3 months there have been 8 recorded sediment events.

2 in February, 3 in March, 2 in April, 1 in May

Where Ecan have been able to attend education has been provided because although measures are in place more could be done, or the alleged offender is compliant and again just reaffirming better education around control.

Summary –

1 – advisory call to note discolouring in water no action was requested

2 – Under investigation due to a previous abatement – sediment running off track

3 - In process working with alleged offender to establish source of sediment and what practical measures can be done.

4 – under investigation clay discharges.

5 – large amount of orange sediment coming down a shared drive in Governors bay unknown source few other details provided.

6 – earthworks causing sediment runoff, however during visit it was established run off is from a retaining wall and not from earthwork.

7 - sub-division work discharging sediment, they had measures in place but where provided with more education.

8 – forestry felling caused soil to enter waterway, company has removed soil from stream no action required, consented work, Education provided.

11. Stream Bank Brochure

Reference: 18/460541

Presenter(s): Pam Richardson Zone Committee Member

1. Purpose of Report

- 1.1 The purpose of this report is to seek feedback from the zone committee on the purpose and target audience of the stream bank brochure.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Joint Committee:

1. Provide staff with feedback on the purpose and target audience of the brochure (s). Ecan and CCC staff will then have to consider if they can resource this.

3. Report

In 2017, the zone committee recommended that a brochure be developed about stream bank management. It was suggested that this could include information about maintenance (including the importance of this) and consenting requirements.

Shelley Washington (Land Management Advisor, Ecan) worked to this brief and developed the attached brochure. Input was sort from CCC and then a meeting was held at CCC in late April to discuss the proposed flyer. In attendance was Peter Kingsbury Pam Richardson, Emily Tredinnick, Tim Ayers, Sarah Kelly and Kevin McDonnell.

Following discussion, it was decided the flyer content be brought back to a Banks Peninsula Water Zone committee meeting to further discuss the purpose and the target audience.

The group felt that the flyer was trying to be “too much to too many people” and that three or four key messages were needed. It was also discussed that there was the need to build a number of engagement activities around the release of the brochure, rather than just sending the brochure out e.g. with the rates demand. A series of brochures, for example “guidelines to general maintenance”, “rules and regulations around waterways”, “fish passage considerations” etc. were considered a more effective way of informing people and changing behaviour.

It was noted that Environment Canterbury already have a series of documents and that perhaps these could be considered part of the package. The Christchurch City Council will continue to support this initiative.

Attachments

No.	Title	Page
A ↓	Protecting your local streams and river banks	32

Banks Peninsula Water Zone Committee

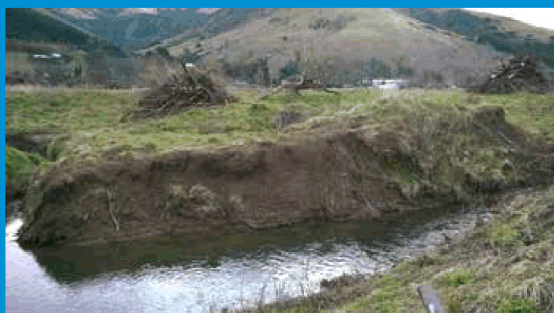
Protecting your local streams and river banks

This advice applies to residential property, small blocks and large properties/farms.

Ongoing maintenance

We all value our waterways, there is a lot you can do to keep our streams and rivers healthy. Here are some handy tips ...

If your stream banks look unstable (like below image), carry out stream bank stabilisation and planting to prevent sediment damaging the health of the stream and loss of your land. After that, consider planting some native plants and fence your stream off from stock. Suitable plants, outside of the main channel, can allow flood flows to pass over the top.



Unstable stream bank

Steps to look after streams and rivers:

1. Check your stream banks
2. Remove obstructions
 - Remove any rubbish or debris collecting around culverts and bridges that are blocking flow
3. Check to see if consent from Environment Canterbury and Christchurch City Council is required
4. Stabilise banks
5. Fence out stock permanently
6. Plant suitable natives
7. Check and maintain

*Let's all work to
improve the health
of our waterways*



The Banks Peninsula Water Zone Committee is a community led committee supported by Environment Canterbury and Christchurch City Council

Christchurch
City Council 

 **Environment
Canterbury**
Regional Council
Kaunihera Taiao ki Waitaha



Before stream stabilisation



After stream stabilisation

Why is it important to keep sediment out of waterways?

As this silt accumulates on the stream bed, it clogs the gravels and smothers plants, insects and fish. This clogging reduces habitat for invertebrates. Sediment on a stream bed also makes our waterways less appealing visually and recreationally.



What can I do if the stream or river floods?

- Trim trees and remove branches so they do not block the stream channel or become unstable
- Remember: twigs and wooden material in streams is good for stream health, so only remove the bigger branches
- Keep stockpiles of fencing or building materials in areas that are not prone to flooding.

Activities that may require a resource consent:

From Environment Canterbury

- Removing large roots or vegetation in-stream
- Large scale earthworks, in, or within 7.5m of a waterway
- Placing structures in or within 7.5m of a waterway
- Machinery in the streams
- Large stream diversion works
- Building culverts, bridges, roads

From Christchurch City Council

- Earthworks within a waterway setback*
- Placing structures in or within a waterway setback (i.e. retaining walls, decking)
- Building culverts, bridges, roads

* Check with CCC's Duty Planner (dutyplanner@ccc.govt.nz) what your waterway setback is.

A resource consent requires an application including an 'Assessment of Environmental Effects' which you may need help from a consultant on. Contact your local councils for more information.

Drainage

If there is debris blocking flows in drains, this may be mechanically removed, however please take care not to cause further damage to stream and river banks.

*Safety Tip: if large branches, logs or boulders are to be removed, operate machinery from the top of the streambank. Cut and lift debris rather than pull and drag. Do not operate from in the stream channel and disturb the riverbed more than is necessary.

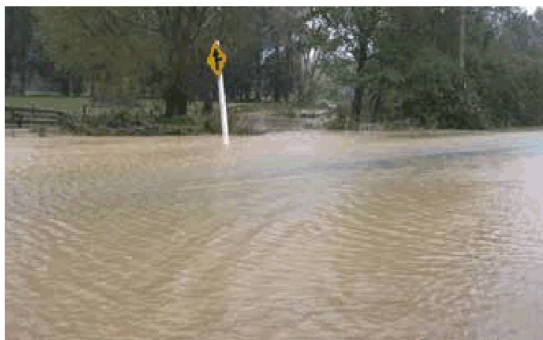
Flood water

If flood water is ponded on your property, you can cut a channel to drain that water back into the river, if:

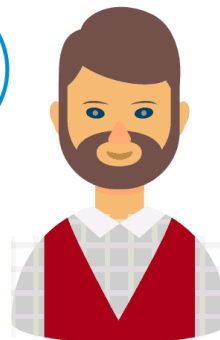
- The water is redirected back into the waterway within your property
- The discharge back into the river does not cause flooding to nearby properties
- You are not cutting through a stop bank.

What if I have land in the lower part of Little River/Wairewa Catchment?


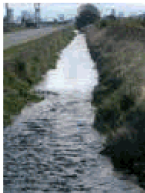
Little River/Wairewa is a bit different. In that catchment, there is a River Rating District where targeted rates are collected by Environment Canterbury for improving flood capacity. The funds are for the clearance of willow trees, and for undertaking further hydraulic modelling for research. A small amount of erosion control work is also funded in critical locations (directly upstream of the SH75 bridge for example).

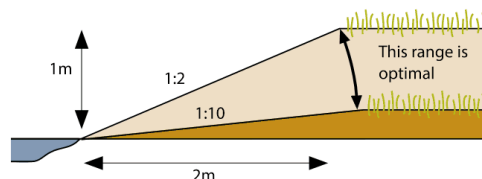


Planting natives is a great way to protect our streams



Tips for bank reshaping

- ▶ Ideally, banks of drains should be less than 1m vertical to 2m horizontal (see diagram).
- ▶ Other waterways, such as streams, may have sections that are steep and eroding and need battering to this ratio before it is possible to plant them.
- ▶  'V' shaped drains help water to flow faster, reducing sedimentation and weed growth. However, many species of fish like undercut banks, so consider leaving some of this habitat if you have fish in your stream.
- ▶  Keep the riffles: riffles are areas of shallow, fast-flowing water in which the surface is rough or broken by rocks. They are the preferred habitat of many species of fish and insects. Mark these and other features that are not to be disturbed.
- ▶ Timing: to minimise the impact on aquatic life, work in non-tidal zones from November to April, and tidal zones from November to February.
- ▶ The site will be vulnerable to erosion following battering. To minimise damage, avoid rebattering long stretches at a time, sow grass seed to re-vegetate disturbed areas and exclude stock from the banks until it is stabilised.



Why is it important to enable fish passages on Bank Peninsula?

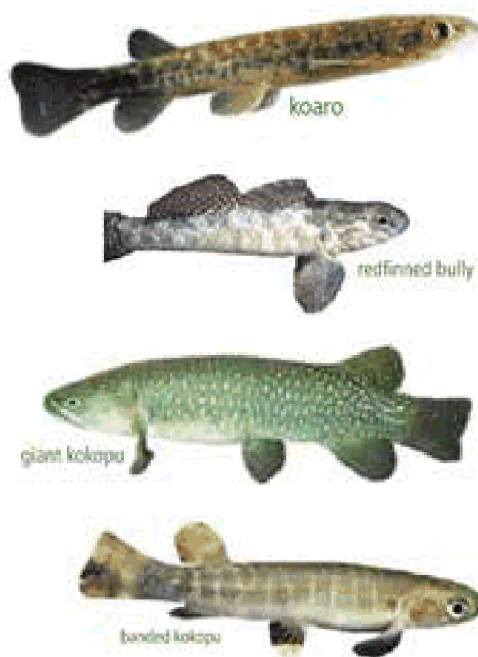
Most freshwater fish migrate between rivers and the sea as part of their lifecycle. For example, whitebait species migrate upstream to live as adults, elvers (young eels) swim up rivers from the sea and trout swim upstream to spawn. Culverts or weirs have the potential to act as barriers to fish migration, impacting their lifecycle and potentially causing a decline in fish numbers.

Land owner responsibilities

If you're planning to install a new culvert or weir in a stream or waterway, you may need a resource consent from Environment Canterbury and authorisation from Christchurch City Council. Your culvert or weir design will need to consider and provide for fish passage and should not alter the natural behaviour of the stream or physical aspects of the streambed.

What about existing culverts or weirs?

Many existing culverts or weirs were designed without fish passage in mind and others are no longer fish-friendly because they have deteriorated over time. Problems with small culverts can often be fixed with simple alterations. Weirs are more difficult to alter. In small streams, replacement of a concrete weir with a rock ramp or removal of weirs that are no longer in use should be considered. Culverts and weirs also need to be regularly monitored and maintained to ensure effective fish passage.



Perched outlets are a common barrier to fish passage.

Further information and advice:

- Stream bank management, search for Living Streams Handbook Part 2, in the Document Library on ecan.govt.nz.
- Erosion and sediment control techniques and methods: visit esccanterbury.co.nz.
- Contact Environment Canterbury on 0800 324 636 for land management advice.
- Christchurch City Council's Waterways, Wetland and Drainage Guide can be found at www.ccc.govt.nz
- Native planting guidance for waterways: Search 'Streamside Planting Guide', on www.lucas-associates.co.nz

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