

## **Three Waters Infrastructure and Environment Committee AGENDA**

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### **Notice of Meeting:**

An ordinary meeting of the Three Waters Infrastructure and Environment Committee will be held on:

**Date:** **Wednesday 23 September 2020**  
**Time:** **2pm**  
**Venue:** **Council Chambers, Civic Offices,  
53 Hereford Street, Christchurch**

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### **Membership**

Chairperson	Pauline Cotter
Deputy Chairperson	Councillor James Daniels
Members	Mayor Lianne Dalziel
	Deputy Mayor Andrew Turner
	Councillor Jimmy Chen
	Councillor Catherine Chu
	Councillor Melanie Coker
	Councillor Mike Davidson
	Councillor Anne Galloway
	Councillor James Gough
	Councillor Yani Johanson
	Councillor Aaron Keown
	Councillor Sam MacDonald
	Councillor Phil Mauger
	Councillor Jake McLellan
	Councillor Tim Scandrett
	Councillor Sara Templeton

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**21 September 2020**

### **Principal Advisor**

David Adamson  
General Manager City Services  
Tel: 941 8235

David Corlett  
Committee and Hearings Advisor  
941 5421  
david.corlett@ccc.govt.nz  
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Note: The reports contained within this agenda are for consideration and should not be construed as Council policy unless and until adopted. If you require further information relating to any reports, please contact the person named on the report.

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## Developing Resilience in the 21st Century

Strategic Framework



Whiria ngā whenu o ngā papa,  
honoa ki te maurua tāuiki

Bind together the strands of each mat and join  
together with the seams of respect and reciprocity

### Ōtautahi-Christchurch is a city of opportunity for all

Open to new ideas, new people and new ways of doing things – a city where anything is possible

#### Principles

Being open,  
transparent and  
democratically  
accountable

Promoting  
equity, valuing  
diversity and  
fostering inclusion

Taking an inter-generational approach  
to sustainable development,  
prioritising the social, economic  
and cultural wellbeing of  
people and communities  
and the quality of the  
environment, now  
and into the  
future

Building on the  
relationship with  
Te Rūnanga o Ngāi Tahu  
and the Te Hononga-Council  
Papatipu Rūnanga partnership,  
reflecting mutual understanding  
and respect

Ensuring  
the diversity  
and interests of  
our communities  
across the city and the  
district are reflected in  
decision-making

Actively collaborating and  
co-operating with other  
local, regional  
and national  
organisations

#### Community Outcomes

##### Resilient communities

Strong sense of community  
Active participation in civic life  
Safe and healthy communities  
Celebration of our identity  
through arts, culture, heritage,  
sport and recreation  
Valuing the voices of all cultures  
and ages (including children)

##### Liveable city

Vibrant and thriving city centre  
Sustainable suburban and  
rural centres  
A well connected and accessible  
city promoting active and  
public transport  
Sufficient supply of, and  
access to, a range of housing  
21st century garden city  
we are proud to live in

##### Healthy environment

Healthy water bodies  
High quality drinking water  
Unique landscapes and  
indigenous biodiversity are  
valued and stewardship  
exercised  
Sustainable use of resources  
and minimising waste

##### Prosperous economy

Great place for people, business  
and investment  
An inclusive, equitable economy  
with broad-based prosperity  
for all  
A productive, adaptive and  
resilient economic base  
Modern and robust city  
infrastructure and community  
facilities

#### Strategic Priorities

Enabling active  
and connected  
communities  
to own their future

Meeting the challenge  
of climate change  
through every means  
available

Ensuring a high quality  
drinking water supply  
that is safe and  
sustainable

Accelerating the  
momentum  
the city needs

Ensuring rates are  
affordable and  
sustainable

#### Ensuring we get core business done while delivering on our Strategic Priorities and achieving our Community Outcomes

Engagement with  
the community and  
partners

Strategies, Plans and  
Partnerships

Long Term Plan  
and Annual Plan

Our service delivery  
approach

Monitoring and  
reporting on our  
progress

**THREE WATERS INFRASTRUCTURE AND ENVIRONMENT COMMITTEE OF THE WHOLE - TERMS OF REFERENCE / NGĀ ĀRAHINA MAHINGA**

<b>Chair</b>	Councillor Cotter
<b>Deputy Chair</b>	Councillor Daniels
<b>Membership</b>	The Mayor and All Councillors
<b>Quorum</b>	Half of the members if the number of members (including vacancies) is even, or a majority of members if the number of members (including vacancies) is odd.
<b>Meeting Cycle</b>	Monthly
<b>Reports To</b>	Council

***Delegations***

The Council delegates to the Three Waters Infrastructure and Environment Committee authority to monitor and make decisions on:

- Water supply, conservation and quality.
- Receive regular updates from the Water Management Zone Committees.
- Stormwater drainage including the Land Drainage Recovery Programme.
- Natural environment, including the waterways, aquifers, ecology and conservation of resources.
- Natural hazards protection, including flood protection and river control.
- Solid waste collection, processing and disposal including landfills.
- Sewage collection, treatment and disposal.
- Applications to the Biodiversity Fund.

***Bylaws***

The Council delegates to the Committee authority to:

- Oversee the development of new bylaws within the Committee's terms of reference, up to and including adopting draft bylaws for consultation.
- Oversee the review of the following bylaws, up to and including adopting draft bylaws for consultation.
  - Trade Waste Bylaw 2015
  - Waste Management Bylaw 2009
  - Water Supply, Wastewater and Stormwater Bylaw 2014

***Submissions***

- The Council delegates to the Committee authority:
- To consider and approve draft submissions on behalf of the Council on topics within its terms of reference. Where the timing of a consultation does not allow for consideration of a draft submission by the Council or relevant Committee, that the draft submission can be considered and approved on behalf of the Council.

***Limitations***

- This Committee does not have the authority to set project budgets, identify preferred suppliers or award contracts. These powers remain with the Finance and Performance Committee.
- The general delegations to this Committee exclude any specific decision-making powers that are delegated to a Community Board, another Committee of Council or Joint Committee. Delegations to staff are set out in the delegations register.
- The Council retains the authority to adopt policies, strategies and bylaws.

***Chairperson may refer urgent matters to the Council***

As may be necessary from time to time, the Committee Chairperson is authorised to refer urgent matters to the Council for decision, where this Committee would ordinarily have considered the matter. In order to exercise this authority:

- The Committee Advisor must inform the Chairperson in writing the reasons why the referral is necessary.
- The Chairperson must then respond to the Committee Advisor in writing with their decision.
- If the Chairperson agrees to refer the report to the Council, the Council may then assume decision-making authority for that specific report.



Part A	Matters Requiring a Council Decision
Part B	Reports for Information
Part C	Decisions Under Delegation

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Karakia Whakamutunga

## Karakia Timatanga

### 1. Apologies / Ngā Whakapāha

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

### 2. Declarations of Interest / Ngā Whakapuaki Aronga

Members are reminded of the need to be vigilant and to stand aside from decision making when a conflict arises between their role as an elected representative and any private or other external interest they might have.

### 3. Confirmation of Previous Minutes / Te Whakaāe o te hui o mua

That the minutes of the Three Waters Infrastructure and Environment Committee meeting held on [Wednesday, 26 August 2020](#) be confirmed (refer page 7).

### 4. Public Forum / Te Huinga Whānui

A period of up to 30 minutes will be available for people to speak for up to five minutes on any issue that is not the subject of a separate hearings process.

OR

There will be no public forum at this meeting

### 5. Deputations by Appointment / Ngā Huinga Whakaritenga

Deputations may be heard on a matter or matters covered by a report on this agenda and approved by the Chairperson.

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

### 6. Presentation of Petitions / Ngā Pākikitanga

There were no petitions received at the time the agenda was prepared.

## Three Waters Infrastructure and Environment Committee OPEN MINUTES

**Date:** Wednesday 26 August 2020  
**Time:** 9.33am  
**Venue:** Council Chambers, Civic Offices,  
53 Hereford Street, Christchurch

### Present

Chairperson Pauline Cotter  
Deputy Chairperson Councillor James Daniels  
Members Deputy Mayor Andrew Turner  
Councillor Jimmy Chen  
Councillor Catherine Chu (via Audio Visual)  
Councillor Melanie Coker  
Councillor Mike Davidson  
Councillor Anne Galloway  
Councillor James Gough  
Councillor Yani Johanson  
Councillor Aaron Keown  
Councillor Sam MacDonald  
Councillor Phil Mauger  
Councillor Jake McLellan  
Councillor Sara Templeton

26 August 2020

### Principal Advisor

David Adamson  
General Manager City Services  
Tel: 941 8235

David Corlett  
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Unconfirmed

**Part A**      **Matters Requiring a Council Decision**

**Part B**      **Reports for Information**

**Part C**      **Decisions Under Delegation**

**Karakia Timatanga:** Councillor James Daniels

The agenda was dealt with in the following order.

**1. Apologies / Ngā Whakapāha**

**Part C**

**Committee Resolved TWIA/2020/00008**

That the apologies from Mayor Dalziel for lateness, Councillor Scandrett for absence and Councillors Gough and Johanson for early departure be received.

Chairperson Cotter/Councillor Keown

**Carried**

**2. Declarations of Interest / Ngā Whakapuaki Aronga**

**Part B**

There were no declarations of interest recorded.

**3. Confirmation of Previous Minutes / Te Whakaāe o te hui o mua**

**Part C**

**Committee Resolved TWIA/2020/00009**

That the minutes of the Three Waters Infrastructure and Environment Committee meeting held on Wednesday, 26 February 2020 be confirmed.

Councillor Coker/Deputy Mayor

**Carried**

**4. Public Forum / Te Huinga Whānui**

**Part B**

There were no public forum presentations.

**5. Deputations by Appointment / Ngā Huinga Whakaritenga**

**Part B**

There were no deputations by appointment.

**6. Presentation of Petitions / Ngā Pākikitanga**

**Part B**

There was no presentation of petitions.

**7. Banks Peninsula Water Management Zone Committee Minutes –  
11 February 2020**

**Committee Resolved TWIA/2020/00010**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Banks Peninsula Water Management Zone Committee meeting held 11 February 2020.

Chairperson Cotter/Councillor Templeton

**Carried**

**8. Banks Peninsula Water Management Zone Committee Minutes - 17 March 2020**

**Committee Resolved TWIA/2020/00011**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Banks Peninsula Water Management Zone Committee meeting held 17 March 2020.

Chairperson Cotter/Councillor Templeton

**Carried**

**9. Banks Peninsula Water Management Zone Committee Minutes - 21 July 2020**

**Committee Resolved TWIA/2020/00012**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Banks Peninsula Water Management Zone Committee meeting held 21 July 2020.

Chairperson Cotter/Councillor Templeton

**Carried**

**10. Christchurch West Melton Water Management Zone Committee Minutes -  
27 February 2020**

**Committee Resolved TWIA/2020/00013**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Christchurch West Melton Water Management Zone Committee meeting held 27 February 2020.

Chairperson Cotter/Councillor Templeton

**Carried**

**11. Christchurch West Melton Water Management Zone Committee Minutes -  
30 July 2020**

**Committee Resolved TWIA/2020/00014**

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Christchurch West Melton Water Management Zone Committee meeting held 30 July 2020.

Chairperson Cotter/Councillor Templeton

**Carried**



## 12. Water Management Zone Committees Update Report

### Committee Comment

1. The Committee clarified that the reference from the Christchurch West Melton Zone Committee in relation to a priority catchment (recommendation 3a) related to treating the catchment as a priority for compliance purposes.

### Zone Committee Recommendations / Ngā Tūtohu

That the Three Waters Infrastructure and Environment Committee:

1. Receives the Committees' Annual Reports.
2. Notes the work of each Water Management Zone Committee.
3. Receives the recommendations from the Christchurch West Melton Zone Committee that the Christchurch City Council:
  - a. Communicates to staff that the Cashmere Stream, and the Port Hills catchments that drain into the Cashmere Stream, be considered a priority catchment, when:
    - carrying out building inspections;
    - processing consents with Erosion and Sediment Control Plans; and
    - deciding on consents to be prioritised for monitoring.
  - b. Supports the range of issues and actions being further investigated by the Zone Committee Working Group.
  - c. Considers creating a short and engaging video for the community about the City Council's land drainage work being undertaken in Cashmere Stream and down the Ōpāwaho Heathcote River to alleviate flooding, reduce sediment, increase biodiversity, mahinga kai and recreational activities.
  - d. Leads by example when carrying out Council earthworks activities and management of Council properties that have an effect on the Cashmere Stream, and the Port Hill catchments that drain into the Cashmere Stream.

### Secretarial Note

This report was delayed due to Covid-19. Since the preparation of this report and conclusion of the Annual Plan process, the Council has confirmed it will complete the trial at trial site 1. The trial tests a range of products and plants to see what will be effective long-term solutions for reducing sediment from Council managed roadside cuttings into Whakaraupō/Lyttelton Harbour and streams. The trial will be completed over the current and next financial year, including monitoring and final reporting. No decision has been made by the Council on starting a second trial site.

4. Notes the Annual Plan funding required for the Banks Peninsula project of finding long-term vegetative solutions for reducing sediment from Whakaraupō roadside cuttings.

**Committee Resolved TWIA/2020/00015**

**Part C**

That the Three Waters Infrastructure and Environment Committee:

1. Receives the Committees' Annual Reports.
2. Notes the work of each Water Management Zone Committee.
3. Receives the recommendations from the Christchurch West Melton Zone Committee that the Christchurch City Council:
  - a. Communicates to staff that the Cashmere Stream, and the Port Hills catchments that drain into the Cashmere Stream, be considered a priority catchment, when:
    - carrying out building inspections;
    - processing consents with Erosion and Sediment Control Plans; and
    - deciding on consents to be prioritised for monitoring.
  - b. Supports the range of issues and actions being further investigated by the Zone Committee Working Group.
  - c. Considers creating a short and engaging video for the community about the City Council's land drainage work being undertaken in Cashmere Stream and down the Ōpāwaho Heathcote River to alleviate flooding, reduce sediment, increase biodiversity, mahinga kai and recreational activities.
  - d. Leads by example when carrying out Council earthworks activities and management of Council properties that have an effect on the Cashmere Stream, and the Port Hill catchments that drain into the Cashmere Stream.

**Secretarial Note**

This report was delayed due to Covid-19. Since the preparation of this report and conclusion of the Annual Plan process, the Council has confirmed it will complete the trial at trial site 1. The trial tests a range of products and plants to see what will be effective long-term solutions for reducing sediment from Council managed roadside cuttings into Whakaraupō/Lyttelton Harbour and streams. The trial will be completed over the current and next financial year, including monitoring and final reporting. No decision has been made by the Council on starting a second trial site.

4. Notes the Annual Plan has provided the funding required for the trial at trial site No. 1 of the Banks Peninsula project of finding long-term vegetative solutions for reducing sediment from Whakaraupō roadside cuttings.
5. Requests a memorandum from staff on what is being done around sediment control and compliance. The Committee further requested that the Christchurch West Melton Zone Committee refer the Zone Committee recommendation 3(a) to the Regulatory Performance Committee.
6. Staff report back to the Banks Peninsula Zone Committee with an interim report on the results of the 1<sup>st</sup> trial as soon as possible, and advise next steps regarding how the results can be implemented and whether a 2<sup>nd</sup> or 3<sup>rd</sup> trial site is needed and/or funded.
7. Request staff formally respond to the Zone Committee on their recommendations.

Councillor Templeton/Councillor Coker

**Carried**

Councillor MacDonald left the meeting at 9.53am and returned at 9.58am during discussion on item 12.  
Councillor Daniels left the meeting at 9.57am and returned at 10.02am during discussion on item 12.

Councillor Gough left the meeting at 10.02am and returned at 10.05am during discussion on item 12.

Councillor McLellan left the meeting at 10.03am and returned at 10.20am during discussion on item 12.

### **13. Three Waters Infrastructure and Environment Committee Report - May/June**

#### **Committee Resolved TWIA/2020/00016 Officer Recommendation Resolved Without Amendment**

That the Three Waters Infrastructure and Environment Committee:

1. Receive the three waters services update report for May and June 2020.

Councillor Galloway/Councillor Templeton

**Carried**

Councillor Mauger left the meeting at 10.37am and returned at 10.49am during discussion on item 13.

Councillor Gough left the meeting at 10.43am and returned at 10.49am during discussion on item 13.

The Mayor joined the meeting at 10.53am during discussion on item 13.

Councillor Johanson left the meeting at 10.56am during discussion on item 13.

Councillors Chen, Coker and Gough left the meeting at 11.05am.

The meeting adjourned at 11.05am and reconvened at 11.16am.

### **14. Merits of seeking a Water Conservation Order**

#### **Committee Comment**

1. The Committee notes that the Council is working with the National Science Challenges and staff to update the Committee on the outcomes of this work.

#### **Committee Resolved TWIA/2020/00017 Officer Recommendation Resolved Without Amendment**

#### **Part C**

That the Three Waters Infrastructure and Environment Committee:

1. Receive the information in this report and notes the options available to Council.
2. Continue to promote groundwater quantity and quality through its submissions on national and regional policy instruments and legislation.
3. Resolve not to pursue a water conservation order application at this time.

Councillor McLellan/Councillor Daniels

**Carried**

Councillor Coker returned to the meeting at 11.20am during discussion on item 14.

Councillor Chen returned to the meeting at 11.21am during discussion on item 14.

**Karakia Whakamutunga:** Councillor James Daniels

**Meeting concluded at 11.51am.**

**CONFIRMED THIS 23rd DAY OF SEPTEMBER 2020**

**PAULINE COTTER**  
**CHAIRPERSON**

Unconfirmed

## 7. Selwyn Waihora Zone Committee Minutes

Reference / Te Tohutoro: 20/1094567

Report of / Te Pou

Matua:

Liz Ryley, Hearings and Council Support

General Manager /

Pouwhakarae:

### 1. Purpose of Report / Te Pūtake Pūrongo

The Selwyn Waihora Zone Committee held meetings on 3 March, 7 July and 4 August 2020 and is circulating the Minutes recorded to the Council for its information.

### 2. Recommendation to Three Waters Infrastructure and Environment Committee

That the Three Waters Infrastructure and Environment Committee notes the Minutes from the Selwyn Waihora Zone Committee meetings held 3 March, 7 July and 4 August 2020.

### Attachments / Ngā Tāpirihanga

No.	Title	Page
A <a href="#">↓</a>	Selwyn-Waihora Zone Committee - Minutes 3 March 2020	16
B <a href="#">↓</a>	Selwyn-Waihora Zone Committee - Minutes 7 July 2020	24
C <a href="#">↓</a>	Selwyn-Waihora Zone Committee - Minutes 4 August 2020	31

### Signatories / Ngā Kaiwaitohu

Author	Liz Ryley - Committee and Hearings Advisor
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**MINUTES OF THE 98<sup>th</sup> MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE HELD  
IN THE TAI TAPU COMMUNITY CENTRE ON TUESDAY 3 MARCH 2020 COMMENCING  
AT 2PM**

**AGENDA SUMMARY**

Item	Time	Description	Pages	Presenter
	2pm	Meeting commences with karakia and formal order of business: <ul style="list-style-type: none"> <li>• Apologies</li> <li>• Identification of Urgent General Business</li> <li>• None</li> </ul>		
	2.05pm	General Public Contribution		
1	2.10pm	The Story of Selwyn Waihora's Targeted Stream Augmentation Project		<i>Brett Painter,</i> Environment Canterbury
2	2.45pm	Environment Canterbury zone Team Update		<i>Johannes Welsch,</i> Environment Canterbury
3	3.15pm	Zone Facilitator's Report		<i>Miria Goodwin</i> Environment Canterbury
	3.30pm	Afternoon Tea Break		
4	3.45pm	2020 committee Action Plan		<i>Miria Goodwin</i> Environment Canterbury
5	4.15pm	Crafting a communications plan for 2020		<i>Andrew Livingstone,</i> Environment Canterbury
6	4.45pm	Formal order of business: <ul style="list-style-type: none"> <li>• Confirmation of minutes September 2019</li> <li>• Report to and from Regional Committee Meeting</li> <li>• Update from Zone Committee members on activities and meetings attended that relate to the Committee's outcomes for the zone</li> <li>• Correspondence</li> </ul>		
	5.15pm	<b>Approximate finish time</b>		



## PRESENT

Les Wanhalla (Te Rūnanga o Taumutu / Co-Chair); Fiona McDonald (Community Member); Councillor Nicole Reid (Selwyn District Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Paul Hodgson (Community Member); Annie McLaren (Community Member); Ron Pellow (Community Member); and Simon Hay (Community Member).

## IN ATTENDANCE

Miria Goodwin, Dr Tim Davie, David Murphy, Johannes Welsch, Sylvia McAslan, Stephen Bragg, Mike Seque, Andrew Livingstone (Canterbury Regional Council); Councillor Murray Lemon, Murray Washington, Therese Davel (Selwyn District Council); John Benn (Department of Conservation);

Miria Goodwin opened the meeting with karakia.

Les Wanhalla welcomed everyone to the meeting.

## APOLOGIES

Apologies were received from Dr Benita Wakefield (Te Rūnanga o Wairewa), Karaitiana Taiuru (Te Rūnanga o Koukourārata); Allen Lim (Community Member).

**Moved** – Fiona McDonald /**Seconded** – Councillor Nicole Reid

*That the Committee accept the apologies, as noted.*

**CARRIED**

## IDENTIFICATION OF URGENT GENERAL BUSINESS

None

## GENERAL PUBLIC CONTRIBUTION

None.

**1. The Story of Selwyn Waihora's Targeted Stream Augmentation Project**  
(Brett Painter, Environment Canterbury)

Dr Brett Painter gave the Committee a brief background of his journey growing up around water ways and how his interest in water management started. He then described the story of the Targeted Stream Augmentation Project including the project's connection to the collaborative nature of the Canterbury Water Management Strategy and the role of the zone committee. Dr Painter described how the first Selwyn Waihora Zone Committee were very clear, in their Zone Implementation Programme Addendum (ZIPA), that they support the use of managed aquifer recharge or targeted stream augmentation to help increase base flows in lowland streams, and that these projects must be for the wider good. The ZIPA recommendation was written to ensure that these options would be possible in the future. See Recommendation 2.12 in the Selwyn Waihora ZIP Addendum (2013).

Dr Painter then described the different investigations and trials that have commenced and what their environmental goals have been.

It was agreed Dr Painter would bring more information to the committee regarding monitoring being undertaken, to ensure there were no adverse effects from the project.

After some questions of clarification about the technical nature of these projects, the committee briefly discussed their governance role with the project. Dr Painter explained that the committee's role over time has been:

- Explore the ideas of managed aquifer recharge and targeted stream augmentation
- Write the ZIPA to enable trials of these types of projects
- Receive updates and guide the project during construction phase
- Sign off the governance group regular reports
- Receive the final technical reports
- Attend blessing or opening ceremonies, join in on planting days, communicate about the project to the public.

Dr Painter's presentation is attached to the minutes.

**2. Environment Canterbury Zone Team Update**  
(Johannes Welsch, Environment Canterbury)

Johannes Welsch introduced his team and suggested that, as the meeting was running a bit behind, it would be a good time to ask the Committee to consider what topics of interest they would like to hear about from the team in the future. He asked whether there were any outstanding topics or a field trip they wanted to undertake.

Annie McLaren noted she would like more information on the work of Mananui Ramsden and Fiona McDonald said themed type meetings would be sensible, also linking that to any projects the team was working on at the time.

Simon Hay reminded the Committee that they had asked for a traffic light tracking system to track according to the CWMS, and that what Johannes provides as update was exactly that. He suggested the table could add a column showing whether projects were on schedule and provide feedback on that.

Miria Goodwin suggested that the Zone team consider how the Zone Committee could help them, for example by continuing to tell stories and spreading the word about, for example, drop-in sessions.

Les Wanhalla suggested more workshop sessions for the zone committee with a select group of people with an interest in the topic would also be a more proactive approach.

### 3. Zone Facilitator's Report

*(Miria Goodwin, Environment Canterbury)*

Miria Goodwin's report noted recent resignations and new appointments, and all the paperwork to document things that had happened since the committee last met prior to the local government elections. She drew attention to the fact that Simon Hay would now be the committee's representative on the Rakaia Enhancement Fund Committee.

Miria also referred to upcoming events, including taking the Annual Report to councils. She asked for volunteers to present. Simon Hay volunteered to help with the Christchurch City Council one.

Dr Tim Davie and Councillor Southworth spoke of an upcoming international wetland conference with 1000 delegates attending and said it had a strong flavour around indigenous knowledge. Part of the conference will include two field trips around Te Waihora and the Selwyn Waihora zone. Environment Canterbury is a sponsor and will have a booth at the conference. Miria Goodwin asked committee members whether they would be interested to be more involved than merely attending. Councillor Southworth would email around information to the Zone Committee.

(The Actions from Meetings were parked for the next session.)

Miria asked those present if they had any further feedback on the draft Selwyn Waihora progress report. No-one said they will provide further input. The Committee noted they did not yet have time to digest Paul Hodgson's comments on the draft report.

Paul noted in that he wanted it recorded that the committee agreed at a previous workshop that the Waikirikiri River was not in a healthy state but that it should be in a healthy state. It was agreed that past minutes and discussion did in fact record that adequately.

*Afternoon tea break 3.42pm – 4pm*

#### 4. 2020 Committee Action Plan

(Miria Goodwin, Environment Canterbury)

The zone committee confirmed the priorities/focus for 2020 for the committee, as identified through a previous workshop, changed the words slightly, and added a new one. These are confirmed as:

- Focused community engagement and reporting
- A healthy Waikirikiri
- Catchment nutrient loads... keeping the momentum
- Enhanced Biodiversity
- Healthy Te Waihora

The committee then started to identify actions within those priorities. This proved difficult to do in a large group, and the committee agreed to volunteer to help do further work on specific priority areas.

Stephen Bragg, Tangata Whenua facilitator, suggested that the committee needed to do a session on ways of working together, forming relationships before doing too much more on specific actions.

#### 5. Crafting a communications plan for 2020

(Andrew Livingstone, Environment Canterbury)

Andrew Livingstone worked alongside Miria Goodwin to run Agenda item 4 and 5 in parallel. Andrew posed some specific questions to the committee:

- What do we want Selwyn residents and the larger community to know/understand about the Zone Committee and our action priorities?
- What specific stakeholders and groups do we want to communicate with? Who has the best networks to engage with these stakeholders?
- What access to communications networks do ZC members have? What are our areas of expertise and influence?
- What do we want people to understand about water in the region in 12 months that they don't necessarily understand now?

The committee ran out of time to discuss these questions and they will be considered within further work to complete the action plan.

## CONFIRMATION OF MINUTES

**Minutes of the 97<sup>th</sup> Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 6 September 2019**

**Moved** (as amended): Councillor Murray Lemon / **Seconded**: Annie McLaren

*That the minutes of the 97<sup>th</sup> meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 6 September 2019, be confirmed as circulated.*

**CARRIED**

## MATTERS ARISING AND ACTIONS FROM MINUTES

None noted.

## REPORT FROM REGIONAL WATER MANAGEMENT COMMITTEE MEETING

Item not taken.

## UPDATE FROM ZONE COMMITTEE MEMBERS ON ACTIVITIES AND MEETINGS ATTENDED THAT RELATE TO THE COMMITTEE'S OUTCOMES FOR THE ZONE

Item not taken.

## CORRESPONDENCE

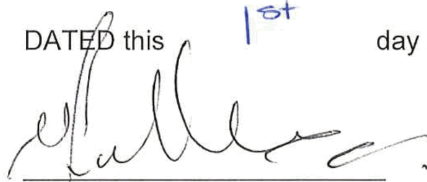
None.

**GENERAL BUSINESS**

Miria Goodwin ended the meeting with karakia.

Co-Chair Les Wanhalla declared the meeting closed at 5.15pm.

DATED this 1<sup>st</sup> day of September 2020

  
\_\_\_\_\_  
CO-CHAIR



## ACTIONS FROM MEETING

Name	Action
ECan	<ul style="list-style-type: none"> <li>Provide progress report against ZIP Addendum (and Selwyn Te Waihora Plan) outcomes / targets</li> </ul>
ECan Zone Team	<ul style="list-style-type: none"> <li>Update on possible purchase of land in lower Silverstream.</li> </ul>
SWZC Facilitator	<p>Note: all these to be incorporated into future schedule of committee as the committee finalises their 2020 action plan</p> <ul style="list-style-type: none"> <li>Invite DairyNZ to future meeting to present on large catchment project relating to dairy farms</li> <li>Arrange update on Monitoring of water quality - where and how it is done. Include Waikirikiri-specific concerns</li> <li>Arrange briefing on water balance for the Zone</li> <li>Arrange more time for discussion on Overseer</li> <li>Arrange for DoC update on LINZ land adjacent to Rakaia River near Te Pirita with high biodiversity values.</li> <li>Request written proposal from Wildlife Habitat Trust for zone committee involvement in future biodiversity work / funding options</li> <li>Arrange for an in-depth discussion on climate change at a future meeting</li> </ul>
CPW	<ul style="list-style-type: none"> <li>Answer further questions following the March zone committee meeting</li> </ul>

MINUTES OF THE 99<sup>th</sup> MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE HELD  
IN THE LINCOLN EVENT CENTRE ON TUESDAY 7 JULY 2020 COMMENCING AT 3PM

AGENDA SUMMARY

Item	Time	Description	Pages	Presenter
	3.00pm	Meeting commences with karakia <ul style="list-style-type: none"> <li>• Apologies</li> <li>• Identification of Urgent General Business</li> </ul>		
	3.05pm	Chair's welcome back and discussion regarding Chair/Deputy Chair roles		<i>Les Wanhalla, Chair</i>
	3.25pm	Public Contribution		
1	3.30pm	Immediate Steps Biodiversity Funding Approvals		<i>Ellen Williamson &amp; IMS sub-group</i>
2	4.00pm	Facilitator's Report & discussion about next meeting(s)		<i>Miria Goodwin Environment Canterbury</i>
3	4.15pm	Formal order of business: <ul style="list-style-type: none"> <li>• Confirmation of minutes March 2020</li> <li>• Update from Zone Committee members on activities and meetings attended that relate to the Committee's outcomes for the zone</li> <li>• Correspondence</li> </ul>		
	4.30pm	Approximate finish time		

## PRESENT

Les Wanhalla (Te Rūnanga o Taumutu / Co-Chair); Dr Benita Wakefield (Te Rūnanga o Wairewa); Mishele Radford (Te Hapū o Ngāti Wheke); Allen Lim (Community Member); Fiona McDonald (Community Member, via ZOOM); Councillor Nicole Reid (Selwyn District Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Paul Hodgson (Community Member); Ron Pellow (Community Member); and Simon Hay (Community Member).

## IN ATTENDANCE

Miria Goodwin, Dr Tim Davie, Ellen Williamson, Stephen Bragg (Canterbury Regional Council); Murray Washington, Therese Davel (Selwyn District Council); John Benn (Department of Conservation)

Stephen Bragg opened the meeting with karakia.

Les Wanhalla welcomed everyone to the meeting.

## APOLOGIES

Apologies were received from Annie McLaren (Community Member) and Councillor Anne Galloway

## IDENTIFICATION OF URGENT GENERAL BUSINESS

None

## GENERAL PUBLIC CONTRIBUTION

None.

### 1. Immediate Steps Biodiversity Funding Approvals (Ellen Williamson & Zone Committee IMS sub-group)

Simon Hay introduced the topic and gave an overview of the process the committee's IMS sub-group had followed to endorse the projects. Paul Hodgson asked some questions about how these projects aligned with Environment Canterbury and Selwyn District Council's work in the space and Ellen explained that she meets with SDC biodiversity officers Andy Spanton and Denise Ford regularly and they share information

on applications and biodiversity projects Ellen added that alongside the IMS sub-group, she tries to find a balance between community-oriented and school projects but also those aimed at enhancement and protection and high biodiversity values

Councillor Southworth asked whether there had been a review of past success or identifying any trends and Ellen told the committee that this process started late last year by Environment Canterbury, but so far only on the larger projects. It will be rolled out and she looked forward to comparisons to bring to the zone committee in future.

Dr Wakefield raised her concern with the four proposed projects that span more than 2 years. Her reasons for concern include the fact that committing funds for extended periods of time removes options for other people and puts pressure on the committee to commit future funds. Dr Wakefield proposed breaking some of the four year projects into smaller chunks so that the committee knows exactly what it is being asked to fund.

Dr Wakefield said it would be better if there was a culture of letting people know the money is competitive, contestable and available every year. A 2-year project might be still acceptable but nothing longer than that.

Ellen noted that for projects to get other funding streams they need to show buy-in across 4 years but Dr Wakefield argued that this was a bigger decision than what she was prepared to make and cautioned against risks.

There was agreement that this discussion was useful as the committee needed to have consensus about approving funding. Members added that other zone committee didn't use all their funding every year. Staff told the committee that these projects in front of them today, were not solely funded through IMS; for every project proposed funds had been contributed by other agencies as well.

The Committee discussed putting conditions around funding with milestones that needed to be confirmed before further money is allocated. Ron Pellow added that at the end of the day the committee invests on behalf of ratepayers and this was not a target to meet. Simon Hay said if they did not spend the IMS funding they were also not achieving their biodiversity outcomes.

Staff confirmed the money does not get carried over if it's not spent and the projects were assessed independently on their ecological outcomes.

In the discussion that followed there were different opinions about whether to let the report lie on the table until the next meeting or to continue with the 1-year projects at least. The Committee agreed to continue discussing this at the next meetings to come up with consensus guidelines as to how it wants to manage the IMS funding in the future.

Cr Southworth and Allen Lim both suggested that the committee approve the four projects that were funded for one year.

**Moved** - Allen Lim / **Seconded** – Simon Hay

*'That the Selwyn Waihora Zone Committee agree to fund:*

*The four one-year projects, i.e. Gibraltar Bush-Darwins Barberry Control, Sharpes Drain with Ladbrooks School, Rolleston Primary School planting and Tai Tapu School biodiversity restoration; and*

*The Gibraltar Bush project is supported conditional on achieving a high ecological score.'*

CARRIED

## 2. Zone Facilitator's Report

*(Miria Goodwin, Environment Canterbury)*

Miria Goodwin took her report as read and referred to the diagram on p 31 about the process to review the CWMS. Dr Tim Davie added that the review is fundamentally about the process the committee has been through in the first ten years of the CWMS, and now moving out of a planning and consultation phase to an implementing phase, being an on-the-ground community group. He said soon there will be a revised Terms of Reference, letter noting how TAs, Environment Canterbury and others will work together as well as an action plan to show what the committee intends to do in the next 2 years.

Miria discussed with the Committee the possible approaches that could be taken to get to the end of the year – was there anything substantial the committee really wants to focus on, or are they ok to accept that this year has been an unusual one. With the on-going changes coming with the CWMS review, the central government direction, election year, committee refresh, and covid-10 on-going implications, it might be better to slowly work towards the end of the year incorporating these changes as best the committee can.

The committee agreed to take a flexible approach, and that they need to keep talking through these issues, reach agreement on their purpose, discuss processes for the IMS funding and so on.

The Committee will also consider hearing from those parties earlier identified e.g. DairyNZ, CPW and others, but members need to be clear about the purpose of such invitations. Miria suggested that she will continue to work with the chair to set a path forward. The committee will also aim to meet outside of Lincoln in the different communities around the District, especially when there are topics for community engagement.

*Paul Hodgson left the meeting at 4.27pm*

## CONFIRMATION OF MINUTES

**Minutes of the 98<sup>th</sup> Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 3 March 2020**

**Moved:** Les Wanhalla / **Seconded:** Councillor Nicole Reid

*That the minutes of the 98<sup>th</sup> meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 3 March 2020, be confirmed as circulated.*

**CARRIED**

## MATTERS ARISING AND ACTIONS FROM MINUTES

None noted.

## UPDATE FROM ZONE COMMITTEE MEMBERS ON ACTIVITIES AND MEETINGS ATTENDED THAT RELATE TO THE COMMITTEE'S OUTCOMES FOR THE ZONE

Les Wanhalla – monitoring of Ahururi springs, Arahura, Waikewai and muriwai; attending Peter Ramsden's well deserved medal ceremony, and looking at the CPW inlets and fish gates

Nicole Reid – joined in with the Envirotown treeplanting at Mahoe reserve in Lincoln.

Benita Wakefield – climate change working party of the Mayoral Forum; Wairewa lake opening.

Fiona McDonald – biosecurity advisory group meeting, the Immediate Steps sub-group and the Craigieburn alliance group

Simon Hay – IMS Sub-group meeting;

Allen Lim – Freshwater Leaders Group and NZGAP Horticulture Industry groups looking at how to reduce N leaching for vegetable production.

Vicky Southworth – noted her ideas to get communities into the meetings e.g. water testing kit, education ideas for the website.



#### CORRESPONDENCE

Miria Goodwin told the Committee about a letter from Paul Dickson from the Christchurch City Council. He was consulting with zone committees on stormwater and wanted to know whether the committee would like to receive a presentation from him on the Halswell Hurutini stormwater management plan. Most members seemed interested to hear from him and said they could attend the meeting he scheduled with the Christchurch West Melton Zone Committee. Paul would also be invited to a future meeting with the Selwyn Waihora Zone Committee.

#### GENERAL BUSINESS

Dr Tim Davie told the Committee that the Ahuriri wetlands were now open.

Stephen Bragg ended the meeting with karakia.

The Chair, Les Wanhalla declared the meeting closed at 4.32pm.

DATED this 1<sup>st</sup> day of September 2020

  
CO-CHAIR

## ACTIONS FROM MEETING

Name	Action
ECan	<ul style="list-style-type: none"> <li>Provide progress report against ZIP Addendum (and Selwyn Te Waihora Plan) outcomes / targets</li> </ul>
ECan Zone Team	<ul style="list-style-type: none"> <li>Update on possible purchase of land in lower Silverstream.</li> </ul>
SWZC Facilitator	<p>Note: all these to be incorporated into future schedule of committee as the committee finalises their 2020 action plan</p> <ul style="list-style-type: none"> <li>Invite DairyNZ to future meeting to present on large catchment project relating to dairy farms</li> <li>Arrange update on Monitoring of water quality - where and how it is done. Include Waikirikiri-specific concerns</li> <li>Arrange briefing on water balance for the Zone</li> <li>Arrange more time for discussion on Overseer</li> <li>Arrange for DoC update on LINZ land adjacent to Rakaia River near Te Pirita with high biodiversity values.</li> <li>Request written proposal from Wildlife Habitat Trust for zone committee involvement in future biodiversity work / funding options</li> <li>Arrange for an in-depth discussion on climate change at a future meeting</li> </ul>
CPW	<ul style="list-style-type: none"> <li>Answer further questions following the March zone committee meeting</li> </ul>

MINUTES OF THE 100<sup>th</sup> MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE  
HELD IN THE TAI TAPU COMMUNITY CENTRE ON TUESDAY 4 AUGUST 2020  
COMMENCING AT 2.30PM

AGENDA SUMMARY

Item	Time	Description	Pages	Presenter
	2.30pm	Meeting commences with karakia, welcome to the Committee's 100 <sup>th</sup> meeting, and formal order of business: <ul style="list-style-type: none"> <li>• Apologies</li> <li>• Identification of Urgent General Business</li> <li>• Confirmation of minutes 7 July 2020</li> <li>• Update from Zone Committee members on activities and meetings attended that relate to the Committee's outcomes for the zone</li> <li>• Correspondence</li> </ul>		
	2.45pm	Public Contribution		
1	2.50pm	<i>For information</i> - Facilitator's Report		Miria Goodwin Environment Canterbury
2	3.00pm	<i>For discussion</i> – Workshop: Immediate Steps Biodiversity Funding: A Strategic Conversation		Miria Goodwin Environment Canterbury
	3.40pm	Break and celebration of 100 <sup>th</sup> meeting		
3	4.00pm	Election of Chair / Deputy Chair / Regional Committee roles		
4	4.20pm	<i>For discussion</i> – CWMS review – zone committee discussion		Tim Davie, Director, Environment Canterbury
5	4.50pm	<i>For discussion</i> – Introducing the Environment Canterbury youth rōpū		Charlotte Doogue, Youth Rōpū
6	5.00pm	<i>For discussion</i> – Come along to hear about the Halswell Huritini Stormwater Management Plan		Paul Dickson, Drainage Engineer, Christchurch City Council
	5.30pm	Approximate finish time		

## PRESENT

Les Wanhalla (Te Rūnanga o Taumutu / Co-Chair); Dr Benita Wakefield (Te Rūnanga o Wairewa); Allen Lim (Community Member); Fiona McDonald (Community Member); Councillor Nicole Reid (Selwyn District Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Ron Pellow (Community Member); and Simon Hay (Community Member).

## IN ATTENDANCE

Councillor Ian McKenzie, Miria Goodwin, Dr Tim Davie, Ellen Williamson (Canterbury Regional Council); Murray Washington, Therese Davel (Selwyn District Council), Charlotte Douge (ECan Youth Council), Kevin Eastwood (Bio-Protection Research Centre) and Paul Dickson (Christchurch City Council)

Dr Benita Wakefield opened the meeting with karakia.

## APOLOGIES

Apologies were received from Paul Hodgson and Mishele Radford.

**Moved** – Allen Lim / **Seconded** – Les Wanhalla

*‘That the Selwyn Waihora Zone Committee receives the apologies from Paul Hodgson and Mishele Radford for information.’*

**CARRIED**

Les Wanhalla spoke about the zone committee celebrating it's 100<sup>th</sup> meeting. He said it had been ten years in the making. There were many workshops and meetings and he wished to thank everyone for all the hard work you have done. He recognised and remembered former members and their contribution too.

Les said reflecting on the committee it was clear they worked hard together and thinking back and talking to people like Peter Ramsden, Uncle Waitai, Terrianna Smith and Yvette Couch-Lewis, it was clear at the start of the committee there was a split.

Allen Lim also spoke and said he'd been on the zone committee for 7 years now, of which 4 was as chairperson. He said it was true there used to be a lot of tension with one side against another. Allen said things were much better now and said the Selwyn Waihora Zone committee was the first committee to do a lot of things e.g. the seminar series and people's pumpkin competition.

Ron Pellow spoke next noting he wanted to reiterate a proverb along the lines of 'we stand on the shoulders of the giants that have gone before us.' Ron said working together is what matters as we all wanted the same outcome. He added that was the strength of the group

and he looked forward to ultimately reaching the outcome everyone wants, which was high quality water.

#### IDENTIFICATION OF URGENT GENERAL BUSINESS

None

#### CONFIRMATION OF MINUTES

##### **Minutes of the 99<sup>th</sup> Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 7 July 2020**

Two slight amendments: –

COVID-10 be amended to COVID-19 and

Dr Southworth be amended to Cr Southworth.

**Moved:** Councillor Vicky Southworth / **Seconded:** Annie McLaren

*‘That the minutes of the 99<sup>th</sup> meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 7 July 2020, be confirmed as circulated, with the two amendments.’*

**CARRIED**

#### **UPDATE FROM ZONE COMMITTEE MEMBERS ON ACTIVITIES AND MEETINGS ATTENDED THAT RELATE TO THE COMMITTEE’S OUTCOMES FOR THE ZONE**

Les Wanhalla – meeting with Andy Spanton on proposed Snake Creek / Silverstream wetlands (still no land purchase); Muriwai working group focusing on eradication of willows and fish passage;

Cr Nicole Reid – AGM Te Ara Kakariki, have a goal to plant 2020 extra totara, 3 waters reform changes in development; for Councils it means quite big changes around how water services are run, may be separate entities from council – wastewater, drinking and stormwater. Models overseas e.g. Tasmania water, also Scotland water. It’s still in the formulation stage.

Dr Benita Wakefield – regional council had a meeting also attended by Les, around the future of the regional committee. Also attended a climate change risk assessment working

party, using the Tapa Wha model used to look at risk assessment for nga papatipu rūnanga.

Fiona McDonald – Recreation Aotearoa Board and dual strategy for recreation with Māori counterpart. Castle Hill Community Association is working collaboratively with SDC and ECan on wilding pine removals within the village

Simon Hay – Rakaia Enhancement Fund – current chair has put in their resignation with immediate effect. Fund processing is still underway

Allen Lim – working on a project on nitrate leaching in horticulture productions

Cr Vicky Southworth – meeting with Mid Canterbury Fish and Game, around high country values and concerns, and the Environment Canterbury Me Uru Rakau group looking at future biodiversity funding

Annie McLaren – Dairy NZ meeting, early July with rural representation – new national information on freshwater, especially around 190 kilo cap.

Ron Pellow – nothing to add

## CORRESPONDENCE

None.

## GENERAL PUBLIC CONTRIBUTION

None.

### 1. Facilitator's Report (Miria Goodwin)

Miria Goodwin took her report as read.

### 2. Workshop: Immediate Steps Biodiversity Funding: A Strategic Conversation (Miria Goodwin)

Miria Goodwin introduced the topic acknowledging that the IMS fund has been and remains the subject of great achievements and also great debate amongst zone committees, with strong views on many aspects. There is guidance but no strict rules about how the money is spent. Miria also noted that the Immediate Steps fund discussions really need three parts for the zone committee:

- Today's focus on agreement about financial decisions
- A future session on the role of and processes used by the IMS sub-group, and

- A future session on strategic look at biodiversity priorities for the zone

Tim Davie from Environment Canterbury outlined some of the pros and cons of short-term vs long-term funding, as shown in the table below.

	Pros	Cons
<b>Short term and/or smaller projects</b>	<ul style="list-style-type: none"> <li>• Leaves more funding available for following years</li> <li>• Likely to be of great support for community and school groups – getting the community involved</li> <li>• More short-term or smaller projects means more people involved and more projects are underway in the zone</li> <li>• Likely to support smaller projects that otherwise miss out on funding from other avenues</li> </ul>	<ul style="list-style-type: none"> <li>• Potentially smaller impact/lower ecological value</li> <li>• More work for applicants if a multiyear project has to re-apply the following year</li> <li>• More short-term or smaller projects require more administration and processing</li> <li>• Less ability to add funding to the project from other sources given the small scale and time-frame</li> </ul>
<b>Long term and/or bigger projects</b>	<ul style="list-style-type: none"> <li>• Potentially larger scale/higher ecological impact</li> <li>• Provides the ability to do longer-term planning for maintenance e.g. weed control and planting projects</li> <li>• Better ability to leverage funding from other sources because longer-term commitment is evident</li> </ul>	<ul style="list-style-type: none"> <li>• Less available funding for following year</li> <li>• Priorities may change but funding is still tied up in 'older' projects</li> <li>• Can mean smaller projects that can quickly get off the ground miss out on funding</li> <li>• Could result in less accountability if project owners don't have to report progress [Though this can be made part of any contract]</li> </ul>

Tim gave these examples of committee spending:

**Hurunui:** The zone committee pre-allocated 50% of their IMS budget over 5 years on a large flagship project. The remaining 50% include other multiyear projects leaving 20-30% available per year.

**Banks Peninsula:** Have 20-30% pre-allocated for the following financial year.

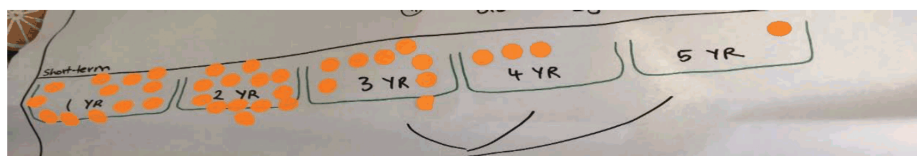
**Ashburton:** Currently have 20% pre-allocated for the next 2 financial years. Any project less than \$2,000.00 doesn't need to be taken to the zone committee, decision can be made by Biodiversity advisor.

To help show visually the range of viewpoints, zone committee members at the meeting and the Environment Canterbury youth rōpū rep (attending the meeting as a visitor but invited to participate) were all given four dots to put on a scale ranging from short-term to long-term, as shown in the photo below. Overall, the committee



appeared to prefer most spending to focus on short-term projects, but there was also willingness to consider some longer-term projects.

Project length	Number of dots
1 year	12
2 year	13
3 year	8
4 year	3
5 year	1



Caveats suggested for longer-term projects included:

- Needs greater landowner match funding (e.g. 50%)
- Needs to have opportunity for access/education needs
- Needs visible checkpoints and short-term goals within a long-term project
- Needs on-going monitoring.

The committee discussed options for spending, including:

- One 4 year project?
- 1 Flagship project?
- The option of a trust to put funds in to use over the next years
- Keeping some funds available to allocate in the latter half of the financial year. Not everyone addressed this question, but of those that did;
  - No-one ticked 'yes'
  - Five ticked 'no' with one comment 'not now it doesn't roll over'
  - One ticked 'neutral', noting that it should depend on the projects that come in i.e. being mindful of overall projects because it's hard to know what's going to come in.
- Waiting to see what other funding options result from Government Covid-19 spending, election changes, and further ECan discussion.

Work towards a committee consensus was progressing through the conversation. However, the zone committee agreed that given the review of zone committees currently underway, the decision to form a committee consensus was put on hold until the incoming changes have occurred.

The committee agreed that for the rest of this current financial year, the focus will remain on shorter-term projects until there is clarity about the review and about bigger/different funds available from other sources. The IMS sub-group will do some further work on the existing



proposed projects and bring them back to the next meeting for discussion and committee recommendations.

**3. Election of Chair / Deputy Chair / Regional Committee roles**  
(Miria Goodwin)

Miria Goodwin asked the Committee to consider which option they would like to implement for electing their officers. The Committee unanimously agreed for a co-chair arrangement.

Dr Benita Wakefield nominated Cr Vicky Southworth and Les Wanhalla.  
Les Wanhalla nominated Fiona McDonald

During a secret ballot vote, Les Wanhalla AND Fiona McDonald were successfully voted in as co-chairs.

For the Regional Committee representative, Ron Pellow nominated Annie McLaren, with Allen Lim seconded that nomination.

With no other nominations put forward, Annie McLaren was voted in as the Selwyn Waihora Zone Committee representative for the remainder of 2020, until the next election.

*'For the election of its officers, that the Selwyn Waihora Zone Committee:*

- 1) Choose Option B;*
- 2) Elects Les Wanhalla and Fiona McDonald as Co-Chairs with effect from 4 August 2020; and*
- 3) Elects Annie McLaren as the Committee representative on the Regional Water Committee.'*

**CARRIED**

**4. CWMS review – zone committee discussion**  
(Dr Tim Davie)

Dr Tim Davie led a discussion about the proposed Canterbury Water Management Strategy (CWMS) review.

**Action Plan:**

- **Progress reporting:** Ron Pellow questioned the 18-month progress reporting to councils, suggesting it is too long and an annual report would be better
- **3-5 priority areas:** Annie McLaren asked about the focus on 3-5 priority areas in the proposed action plan. How does that fit with the CWMS targets, is it a shift away from that? *Miria explained that the priority areas are more categories or*

*types of work the committee will focus on in order to implement the CWMS – the targets will be aligned/fit with these. Miria said the language used is potentially confusing and Tim Davies agreed that using the word priority could be confusing as it's different to the 1<sup>st</sup> and 2<sup>nd</sup> order priorities in the CWMS, and isn't a shift away from the targets.*

**Terms of Reference:**

- **Selection and appointment of community members:**
  - Ron noted that in the proposed TOR there is an inconsistency regarding the refreshment process. If 1/3 members are appointed or reappointed each year and the term is 3 years, then by default there must be refreshment each year, not in two out of three years.
  - Allen Lim asked who appoints the independent chair for the selection process.
- **Chair and Deputy Chair:** Fiona questioned whether the TOR allows for a co-chair arrangement

The Committee was asked to send any further questions to Miria Goodwin.

**Resolved by consensus:**

*'That the Selwyn Waihora Water Management Zone Committee:*

- 1) *Receive the information on the proposed changes; and*
- 2) *Consider and discuss the proposals and provide any feedback through to the committee Chair / Deputy, rūnanga representatives or Councillors to inform the next step of a workshop in August.'*

**CARRIED**

**5. Introducing the Environment Canterbury youth rōpū**  
(Charlotte Doogue)

Charlotte Doogue gave her mihi mihi. She has been a member of the youth Ropu since the beginning of the year.

Charlotte explained that she was not necessarily putting herself forward as the potential youth ropu member but was here to discuss the idea and take feedback back to the youth ropu to elect someone suitable for the committee if that was deemed a good idea. This person may or may not come from the youth ropu.

There was some discussion around how the member of the youth ropu would fit into committee structure including how they are not a community rep but rather an opportunity to have specific youth input and an opportunity to help grow youth contribution. The meeting time and schedule was also discussed, as it may not suit a young person at school.

Robust discussion around youth contribution to the committee ensued. Allen Lim questioned whether youth have enough life experience for some of the bigger decisions committees make. Simon said that having youth membership would show that our zone committee is not just doing things for the next generation, but involving and bringing that next generation in. Having 'life experience' or not is a very arguable concept. Benita noted that the meeting style is very important, and how you run your meetings – they need to be inclusive.

There was discussion around the term of the youth member. Banks peninsular have gone for a 1 year term. Ideally the youth ropu are looking for longer than a year. Youth ropu members have suggested a 3-year term.

Discussion was had around the idea of a 1 year 'internship' with the committee.

No conclusion/decision was made during the meeting. Committee decided to discuss at another meeting and get back to the youth ropu.

#### **6. Halswell Huritini Stormwater Management Plan**

*(Paul Dickson, Drainage Engineer, Christchurch City Council)*

Paul Dickson presented his powerpoint, aligned with the meeting paper. He will come back in October to present the draft SMP. Paul noted that the SMP won't be able to achieve everything listed on the powerpoint due to legacy, behaviour, bio-spheres and other things not entirely within council control.

Les asked if CCC shares this information with the Selwyn District council. Paul responded that it's on the CCC website, and that councils do share information through the Regional Stormwater forum organised by Environment Canterbury. He said that Selwyn District Council is lucky as much of it's sediment goes to ground – they're not discharging directly to rivers.

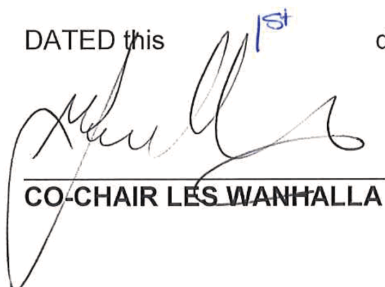
Annie asked if this shadows other cities – is there coordination? Paul said yes, and there is often peer to peer discussion. Auckland's big problem is zinc/copper in mud in estuaries.

Committee members asked some technical questions and then Paul was thanked for his contribution.

GENERAL BUSINESS

Dr Benita Wakefield ended the meeting with karakia at 5.40pm.

DATED this 1<sup>st</sup> day of September 2020

  
CO-CHAIR LES WANHALLA

  
CO-CHAIR FIONA MCDONALD

## 8. Banks Peninsula Water Management Zone Committee Minutes - 18 August 2020

Reference / Te Tohutoro: 20/1097494

Report of / Te Pou

Matua:

Liz Ryley, Council & Hearings Support

General Manager /

Pouwhakarae:

### 1. Purpose of Report / Te Pūtake Pūrongo

The Banks Peninsula Water Management Zone Committee held a meeting on 18 August 2020 and is circulating the Minutes recorded to the Three Waters Infrastructure and Environment Committee for its information.

### 2. Recommendation to Three Waters Infrastructure and Environment Committee

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the meeting Banks Peninsula Water Management Zone Committee meeting held 18 August 2020.

### Attachments / Ngā Tāpirihanga

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### Signatories / Ngā Kaiwaitohu

Author	Liz Ryley - Committee and Hearings Advisor
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## Banks Peninsula Water Management Zone Committee OPEN MINUTES

**Date:** Tuesday 18 August 2020  
**Time:** 4pm  
**Venue:** Okuti Valley Hall, Okuti Valley Road, Little River

### Present

Chairperson	Dr Benita Wakefield - Te Rūnanga o Wairewa
Deputy	Gina Waibl - Community Representative
Chairperson	
Members	Rima Herber - Community Representative
	Ben Manson - Community Representative
	Paula Smith - Community Representative
	Lan Pham - Councillor Environment Canterbury
	Rik Tainui - Te Rūnanga o Ōnuku
	Aurora Smith - Te Hapū o Ngāti Wheke/Rapaki

In Attendance: ECan – Kate Hunt, Gillian Jenkins, Brad Waldon-Gibbons; DOC – John Benn; Community – Pam Richardson

18 August 2020

**Zone Facilitator**  
Shelley Washington  
Tel: 027 294 5219  
**Environment Canterbury**

**Committee Advisor**  
Liz Ryley  
Tel: 941 8153  
**Christchurch City Council**

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

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[www.ccc.govt.nz/the-council/meetings-agendas-and-minutes/](http://www.ccc.govt.nz/the-council/meetings-agendas-and-minutes/)  
[www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx](http://www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx)

Rik Tainui opened the meeting with a Karakia/Timatanga.

The agenda was dealt with in the following order.

### 1. Apologies

That apologies received from Andrew Turner, Garrick Thorn and Erana Riddell, be accepted.

### 2. Declarations of Interest

There were no declarations of interest recorded.

### 3. Updates from Banks Peninsula Zone Committee Members

Members highlighted events/meetings/issues relevant to the Zone Committee.

**Ben Manson** – Ben met with Harry Millar and Adam Forbes on a wetland area of his property about various scenarios/costs for planting natives, carbon farming and removing cattle.

**Rima Herber** – Has attended various events, e.g. Banks Peninsula Conservation Trust event about biodiversity at Hilltop, a Quail Island event where Eugenie Sage announced funding for pest management, further removal of horned poppy weeds event at Kaitorete Spit, and Regional Committee workshops regarding the Canterbury Water Management Strategy.

**Paula Smith** – Along with Gina, met University of Canterbury students working on the water quantity project with a focus on methods to estimate household and stock water use, about how much is too much, and sensitive catchments. The next steps for the Water Quantity Working Group will be discussed later tonight.

**Lan Pham** – Papatipu Rūnanga, and TRONT and Environment Canterbury agreed to having two member roles formally approved by Council as cultural advisors. Attended launch of Te Mana o te Taio – Aotearoa New Zealand Biodiversity Strategy 2020.

**Aurora Smith** – Attended Whaka Ōra event at Living Springs. Michelle Radford is representing Rāpaki on the Selwyn-Waihora Zone Committee.

**Rik Tainui** – Continuation of the Akaroa Wastewater situation with final public consultation and submissions closing on Sunday 23 August. After the submissions are heard a decision will be made, hopefully by Christmas 2020. Have also attended meetings around the Duvauchelle wastewater system, and involved with cultural advisors process at Environment Canterbury. Rik has met Andrew Turner and the CCC leadership team about relationship with Ōnuku and issues e.g. the drinking water system.

**Gina Waibl** – Attended the Whaka Ōra event at Living Springs, with Rima and Aurora. Will attend a Biosecurity Advisory Group meeting next week and will be presenting the Quarterly and Annual Report to CCC 3 Waters Committee on 26 August.

**Benita Wakefield** – Attended the Regional Council meeting regarding cultural advisors. Working on writing papers regarding gene drive for pest control, and tapa whā model for climate change. Looking at cascade of risks that interlink and downstream impacts.

Community member Pam Richardson also reported that she had met with the Farm Discussion Group and Harry Millar about a new government freshwater policy. An issue is around the amount of water able to be taken under the Regional Land and Water rules. Pam noted there is nothing in the ZIP about springs and water use. . The issue needs to be acknowledged but work with the community on this matter is needed.

Further discussion was held about the rule and committee is of view that it does not align with Banks Peninsula water requirements. This requires further consideration by the Working Group.

#### 4. Confirmation of Previous Minutes

##### Committee Resolved BPZC/2020/00023

That the minutes of the Banks Peninsula Water Management Zone Committee meeting held on Tuesday, 21 July 2020 be confirmed, subject to an amendment as noted in italics:

Page 11, Committee resolution to read “That the Banks Peninsula Water Management Zone Committee’s Water Quantity Working Group continues to further investigate *both options the issue and options for a solution* (noted in 1.2.3) and report back to the Committee.”

Lan Pham/Paula Smith

Carried

**Note: Item 1.2.3 reads:** Options to consider were noted as (1) a change to the LWRP to account for permitted activity takes in consented allocation and (2) publicising the rules and their implications on takes.

#### 5. Matters Arising from the Minutes

**Roadside Cutting Trials:** Aurora Smith referred to a letter she had forwarded to Committee members where she was asking the zone committee to send a letter to the Christchurch City Council regarding funding for roadside cutting trials at sites in Whakaraupō/Lyttelton Harbour. The letter will be finalised and forwarded to CCC, along with the matter being raised when the Zone Committee presents its Annual Report to the Council’s Three Waters, Infrastructure and Environment Committee.

**Bay Harbour News story:** Paula Smith advised there had been a story in the Bay Harbour News regarding historic landfills within the zone.

#### 6. Deputations by Appointment

There were no deputations by appointment.

#### 7. Identification of Urgent Items

No items raised.

#### 8. Identification of General Public Contributions

Pam Richardson had raised earlier an item about central government Freshwater Policy on Banks Peninsula.



## 9. Biodiversity and Land Management Ki Uta Ki Tai Catchment Approach

The Committee does wish to continue scoping this approach. The Committee discussed positives and negatives of the approach. Positives outweighed the negatives. Positives included: Ki Uta Ki Tai; better outcomes; improved ability to leverage central government funding; farm and catchment specific responses; plugging “gaps” in catchments; communications and engagement potential; ecological outcomes; ecologically sensible; community monitoring can plug science gaps; more strategic and links water quality to IMS and biodiversity; see results faster.

Negatives included: other areas get less support; existing approach also good; existing approach still “seeds” other projects. “Givens” include that focus not be taken away from implementation of Whakaraupō Catchment Plan and Wairewa ZIPA

The Committee discussed possible sources of information/ideas for the catchment approach:

- Landowner buy-in
- \*Enviroschools
- Regional biodiversity priorities
- Use of the Mahinga kai trails maps
- Land cover
- Riparian cover
- Distribution of Tāonga freshwater species in the Ngāi Tahu Treaty Settlement
- NIWA Freshwater map
- Canterbury Waterways Group
- Alice West’s report (presented November 2019 meeting).

### Committee Resolved BPZC/2020/00024

That the Banks Peninsula Water Management Zone Committee:

1. Receive the information in the report and recommend to continue scoping the Biodiversity and Land Management Ki Uta Ki Tai Catchment Approach.
2. Provide recommendations for other sources of information to be gathered to inform Zone Committee prioritisation of catchments, as below:
  - Landowner buy-in
  - \*Enviroschools
  - Regional biodiversity priorities
  - Use of the Mahinga kai trails maps
  - Land cover
  - Riparian cover
  - Distribution of Taonga freshwater species in the Ngāi Tahu Treaty Settlement
  - NIWA Freshwater map
  - Canterbury Waterways Group
  - Alice West’s report presented November 2019 meeting, i.e. Distribution of regionally endemic stream invertebrates on Banks Peninsula, Canterbury.

Dr Benita Wakefield/Lan Pham

**Carried**

## 10. Update on the Review and Proposed Changes to the Zone Committee's Terms of Reference

The Zone Committee discussed the review and changes proposed across the ten Zone Committees, but in particular changes to the Banks Peninsula Zone Committee's Terms of Reference. They noted:

- General support for proposals
- It would still be possible for the Zone Committee to implement a plan change
- Asked where the word "implementation" was, but response was that is what is meant by "delivery"
- Agree with need to strengthen induction for new members, including Te Tiriti o Waitangi (Treaty of Waitangi) training
- Encourage members of the community interested in the role to attend a meetings before applying.

### Committee Resolved BPZC/2020/00025

That the Banks Peninsula Water Management Zone Committee:

1. Receive the information on the proposed changes to the Zone Committee Terms of Reference and the preparation of a new tri-annual joint letter of shared priorities from the Councils to Committees and then the development of new Zone Committee Action Plans.
2. Consider the proposals and provide feedback through to the Committee Chair/Deputy Chair, Rūnanga representatives or Councillors to inform the next step of a workshop on 24 August 2020, as below:
  - General support for proposals
  - It would still be possible for the Zone Committee to implement a plan change
  - Asked where the word "implementation" was, but response was that is what is meant by "delivery"
  - Agree with need to strengthen induction for new members, including Te Tiriti o Waitangi (Treaty of Waitangi) training
  - Encourage members of the community interested in the role to attend a meetings before applying.

Dr Benita Wakefield/Aurora Smith

**Carried**

## 11. Facilitator's Update - 21 July 2020

Councillor Pham spoke to a document tabled at the meeting about Environment Canterbury's Long Term Plan and Strategic Direction. Feedback was sought from the Committee about this matter, and the following points noted:

Top three priorities:

- Immediate Steps biodiversity funding
- Implementation of Whakaraupō Catchment Plan
- Implementation of Wairewa Sub-regional Plan/ZIPA recommendations

The Committee would also like the LTP to prioritise resourcing for:

- Risk assessment for adaptation to climate change
- Secure community and farm water supplies while retaining ecosystem health
- Weed management

These Zone Committee priorities align closely with the Ecosystem Health and Biodiversity Targets priority in the proposed Environment Canterbury Letter of Priorities. However, they also relate to the other two Environment Canterbury priorities for Zone Committees: Kaitiakitanga Wāhi Taonga and mahinga kai Target; and Recreation and Amenity Targets.

The following are the top three transformational opportunities and enduring priorities in the Environment Canterbury Strategic Direction that the Zone Committee thought aligned best with their priorities:

- Accelerate regeneration of the natural environment
- Build community engagement and action
- Lead climate change resilience

Shelley Washington spoke to the items contained in her report, including about recent and upcoming events.

### Committee Resolved BPZC/2020/00026

That the Banks Peninsula Water Management Zone Committee:

1. Receives the information in the Facilitator's update report.

Aurora Smith/Paula Smith

**Carried**

An adjournment was taken.

Two Working Group sessions were held following the adjournment on Mahinga Kai and Biodiversity.

The meeting closed at 8.02pm with a Karakia/Whakamutunga.

**CONFIRMED THIS 22ND DAY OF SEPTEMBER 2020**

**BENITA WAKEFIELD**  
**CHAIRPERSON**

## 9. Christchurch West Melton Water Management Zone Committee Minutes - 27 August 2020

Reference / Te Tohutoro: 20/1113594

Report of / Te Pou

Matua:

Liz Ryley, Council & Hearings Support

General Manager /

Pouwhakarae:

### 1. Purpose of Report / Te Pūtake Pūrongo

The Christchurch West Melton Water Management Zone Committee held a meeting on 27 August 2020 and is circulating the Minutes recorded to the Three Waters Infrastructure and Environment Committee for its information.

### 2. Recommendation to Three Waters Infrastructure and Environment Committee

That the Three Waters Infrastructure and Environment Committee receives the Minutes from the Christchurch West Melton Water Management Zone Committee meeting held 27 August 2020.

### Attachments / Ngā Tāpirihanga

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### Signatories / Ngā Kaiwaitohu

Author	Liz Ryley - Committee and Hearings Advisor
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## Christchurch West Melton Water Management Zone Committee OPEN MINUTES

**Date:** Thursday 27 August 2020  
**Time:** 6pm  
**Venue:** Fendalton Boardroom, cnr Clyde and Jeffreys Road,  
Fendalton, Christchurch

### Present

Chairperson	Kevin Brown - Community Representative
Deputy Chairperson	Annabelle Hasselman - Community Representative
Members	Helen Caley - Community Representative
	Gareth Oddy - Community Representative
	Carly Sluys - Community Representative
	Abbie Wilson - Community Representative
	Councillor Sophie McInnes - Selwyn District Council
	Councillor James Daniels - Christchurch City Council
	Councillor Phil Clearwater - Councillor Environment Canterbury
	Les Wanhalla - Te Taumutu Rūnanga

27 August 2020

**Zone Facilitator**  
Lyn Carmichael  
Tel: 027 443 4731  
**Environment Canterbury**

**Principal Advisor**  
Diane Shelander  
Senior Policy Analyst  
Tel: 941 8304  
**Christchurch City Council**

**Committee Advisor**  
Liz Ryley  
Tel: 941 8153  
**Christchurch City Council**

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[www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx](http://www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx)

Councillor Daniels opened the meeting with a Karakia/Timatanga.

The agenda was dealt with in the following order.

## 1. Apologies

### Committee Resolved CWZC/2020/00020

That the apologies received from Arapata Reuben and Oscar Bloom, and an apology for lateness from Helen Caley, be accepted.

Annabelle Hasselman/Phil Clearwater

Carried

Les Wanhalla will check attendance at the meeting of Kylie-Jane Phillips, Ngāti Wheke/Rapaki representative.

## 2. Declarations of Interest

Kevin Brown declared an interest he asked to be recorded on the Committee's Register of Interests list.

## 3. Confirmation of Previous Minutes

### Committee Resolved CWZC/2020/00021

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on Thursday, 30 July 2020 be confirmed.

Gareth Oddy/Annabelle Hasselman

Carried

Councillor McInnes arrived at 6.04pm.

## 4. Matters Arising from the Minutes

Nil.

## 5. Deputations by Appointment

There were no deputations by appointment.

## 6. Identification of Urgent Items

Nil.

## 7. Identification of General Public Contributions

Nil.

Helen Caley arrived at 6.17pm during the presentation.

## 8. Three Waters Update from Christchurch City Council

A presentation was given by Helen Beaumont, CCC Head of Three Waters and Waste, relating to the Council's stormwater network catchments of:

- Halswell River
- Ōpāwaho/Heathcote River
- Avon River
- Styx River
- Ōtūkaikino Stream
- Coastal area

Helen briefly provided some information about the Akaroa and Duvauchelle wastewater plants, and responded to queries relating to fish monitoring in the Halswell ponds, the Bells Creek treatment plant cost and approach taken of education with commercial properties, and the matter of metered drinking water.

### Committee Resolved CWZC/2020/00022

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the Christchurch City Council update about Three Waters.

Abbie Wilson/Sophie McInnes

**Carried**

## 9. Pre-consultation Input by Zone Committees on Environment Canterbury's Long Term Plan and Strategic Direction

Lyn Carmichael outlined the reason for the report to seek the Committee's early input for ECan's Long Term Plan development. Councillor Clearwater referred to ECan's strategic direction, and it was noted that the priorities for Zone Committee focus developed by ECan would be discussed later in the meeting.

Points raised by the Committee as potential priorities for input into the LTP were:

- That kaitiakitanga wāhi taonga and mahinga kai should not be targets, but included as part of the strategic direction, and that there are more sites than just five. (Noted that Les will discuss this matter with Arapata Reuben and Stephen Bragg).
- The importance of the environment is not strong in the document.
- Increasing compliance sediment control.
- All agencies working together.
- Suggest weeds in urban rivers is also listed as a target.
- Monitoring and analysis of additional sites.
- Education.

There was agreement to workshop this issue prior to the next meeting, via audio/video link.



**Committee Resolved CWZC/2020/00023**

That the Christchurch West Melton Water Management Zone Committee:

1. Receive Environment Canterbury's Strategic Direction.
2. Receive the information on the consultation process for Environment Canterbury's Long Term Plan.
3. Consider the key priorities/projects from the Christchurch West Melton Zone for priority resourcing via the Long Term Plan for consideration by Environment Canterbury.

Helen Caley/Les Wanhalla

**Carried**

**11. Direction of the Christchurch West Melton Zone Delivery Team Work Programme Priorities - Financial Year 2020-2021**

Johannes Welsch provided an update on the Zone Delivery Team's work programme priorities for 2020-2021.

In response to a queries Johannes advised he would provide information to the Committee members about monitoring on Curletts Road. It was noted the Bromley odour issue was a nuisance effect and a real effect on residents of that area.

**Committee Resolved CWZC/2020/00024**

That the Christchurch West Melton Water Management Zone Committee:

1. Notes the updated Zone Delivery work programme priorities for the 2020-2021 financial year.
2. Provides feedback on alignment with Zone Committee priorities.

Annabelle Hasselman/Kevin Brown

**Carried**

**12. Christchurch West Melton Zone Communications Plan - Updated**

Kim Whitwell spoke to the updated Communications Activity Plan, appended to the agenda, covering the period September to December 2020. She asked members to provide her with any comments and ideas.

The Communications and Engagement Working Party met recently and discussed copper brake pads, connecting with the community and with youth through organisations such as Ara, resources to share, and the stormwater superhero.

Suggestions by the Committee about raising the profile of the ZC included:

- Possible use of council venues to promote the Canterbury Water Management Strategy
- Advertise ZC activities on the Christchurch City Council's Newsline website.
- Ensure the ZC information is easily accessible on ECan's website.

**Committee Resolved CWZC/2020/00025**

That the Christchurch West Melton Water Management Zone Committee:

1. Notes the updated Communications Activity Plan for September to December 2020.
2. Provides feedback on alignment of the Plan with Zone Committee priorities.

Phil Clearwater/Abbie Wilson

**Carried**

### **13. Facilitator's Update**

Lyn Carmichael spoke to her report, adding that there is a Cashmere Stream planting day happening on 29 August at 9.50am.

#### **Committee Resolved CWZC/2020/00026**

That the Christchurch West Melton Water Management Zone Committee notes the updates on:

1. Proposed Plan Change 7
2. Action for Healthy Waterways
3. Allocation of Funds for Three Waters
4. Regional Committee.

Annabelle Hasselman/Gareth Oddy

**Carried**

Councillor Daniels closed the meeting with a Karakia/Whakamutunga.

**Meeting concluded at 7.27pm.**

**CONFIRMED THIS 24TH DAY OF SEPTEMBER**

**KEVIN BROWN**  
**CHAIRPERSON**

## 10. Three Waters and Waste Infrastructure and Environment Committee - Resource Recovery - July / August

Reference / Te Tohutoro: 20/1069926

Report of / Te Pou  
Matua: Helen Beaumont, Head of Three Waters and Waste,  
helen.beaumont@ccc.govt.nz

General Manager /  
Pouwhakarae: David Adamson, General Manager City Services

### 1. Brief Summary

- 1.1 The purpose of this report is to update the Committee on current activities and performance of Resource Recovery. The report has been written by staff.
- 1.2 Draft Waste Management and Minimisation Plan is out for public consultation until 31 August, 2020.
- 1.3 Adaptive Management Plans implemented for Living Earth and Metro EcoDrop in response to Bromley Odour issues.
- 1.4 Audit programme extended and new marketing strategies developed to address ongoing recycling contamination issues.
- 1.5 EcoCentral have received funding of \$16.8m from the Ministry for Environment for upgrading the Materials Recovery Facility for improved sorting of plastics and fibre.
- 1.6 End of year financial result under budget due to lower kerbside collection and processing costs and revenue from receiving Soils at Burwood.

### 2. Officer Recommendations / Ngā Tūtohu

That the Three Waters Infrastructure and Environment Committee:

1. Receive the information in the Three Waters and Waste Infrastructure and Environment Committee – Resource Recovery – July / August report.

## Attachments / Ngā Tāpirihanga

No.	Title	Page
A <a href="#">↓</a>	Three Waters and Waste Infrastructure and Environment Committee - Resource Recovery - July August 2020	57

In addition to the attached documents, the following background information is available:

Document Name	Location / File Link
<enter document name>	<enter location/hyperlink>

## Confirmation of Statutory Compliance / Te Whakatūtutanga ā-Ture

Compliance with Statutory Decision-making Requirements (ss 76 - 81 Local Government Act 2002).

(a) This report contains:

- (i) sufficient information about all reasonably practicable options identified and assessed in terms of their advantages and disadvantages; and
- (ii) adequate consideration of the views and preferences of affected and interested persons bearing in mind any proposed or previous community engagement.

(b) The information reflects the level of significance of the matters covered by the report, as determined in accordance with the Council's significance and engagement policy.

## Signatories / Ngā Kaiwaitohu

<b>Author</b>	Ross Trotter - Manager Resource Recovery
<b>Approved By</b>	Helen Beaumont - Head of Three Waters & Waste Andrew Howe - Planning & Performance Advisor David Adamson - General Manager City Services



## THREE WATERS INFRASTRUCTURE AND ENVIRONMENT COMMITTEE

### RESOURCE RECOVERY

July - August 2020 Report

Christchurch City Council | September 2020

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## PLANNING AND POLICY

### Waste Management and Minimisation Plan

The Waste Minimisation Act (2008) requires territorial authorities to adopt a Waste Management and Minimisation Plan setting out the objectives, policies and methods for effective and efficient waste management and minimization.

The draft plan is currently out for consultation and includes:

- Blue sky thinking for development of the Plan – external report
- Consideration of draft Asset Management Plan
- Consideration of central government work programme:
  - Phasing out low value and hard to recycle plastics
  - Implementing product stewardship schemes for problem waste streams
  - Expanding the landfill levy and improving data
  - Analysing need for investment in innovation and resource recovery infrastructure
- Responding to changes in the global markets for plastic and fibre – import restrictions and price drops.

Consultation closes on Monday 31 August.

We are also reviewing our inner-city collection network and assessing the feasibility of alternative approaches. This will respond to increased inner-city housing development and maximise diversion of waste from landfill.

## COMPLIANCE AND QUALITY ASSURANCE

### Health Safety and Wellbeing

Health Safety and Wellbeing reporting across the Resource Recovery has been positive, with the reporting number of (near miss) incidents still increasing.

Health and Safety Statistics - Month of July 2020	Totals	Land Drainage	Water Waste	Resource Recovery	Transport	Intern
Near Misses	72	7	26	16	21	2
First aid injuries (FAI)	7	2	0	3	0	2
Medical Treatment Injuries (MTI)	4	2	1	0	1	0
Lost Time Injuries (LTI)	3	2	1	0	0	0
No. of days lost to LTIs	2	0	2	0	0	0
No. of hours worked	145,897	8,557	36,847	20,226	55,655	24,612
Health and Safety Statistics - Year to Date July 2020	Totals	Land Drainage	Water Waste	Resource Recovery	Transport	Intern
Near Misses	72	7	26	16	21	2
First aid injuries (FAI)	7	2	0	3	0	2
Medical Treatment Injuries (MTI)	4	2	1	0	1	0
Lost Time Injuries (LTI)	3	2	1	0	0	0
No. of days lost to LTIs	2	0	2	0	0	0
No. of hours worked	145,897	8,557	36,847	20,226	55,655	24,612
LTIFR	20.6	233.7	27.1	0.0	0.0	0.0
MTIFR	48.0	467.5	54.3	0.0	18.0	0.0
TRIFR (LTI + MTI)	68.5	701.2	81.4	0.0	18.0	0.0

The three reported first aid injuries in July were:

- A driver stopped to use a public toilet and when walking along the footpath they slipped on black ice, causing a sore left arm, shoulder and neck due to braking their fall.
- A contractor grazed their leg due to an extinguisher that fell during cleaning.
- After removing boots in the bootwash room, going from the operational area to the clean area, the contractor stepped over a bench and knocked their toe, resulting in a fractured toe.

The August reporting was not finalised by the time of signing off this report, however an incident happened early August where Worksafe was notified:

- A winch handle on a trailer came loose and struck a contractor, causing them to fall backwards and strike a parked vehicle with the head, knocking the contractor unconscious.  
As a result, the contractor sustained a gash to the back of the head and a fracture to the right hand. The contractor was hospitalised and kept in for observation. The contractor has an investigation underway.



## FINANCIAL OVERVIEW

### The numbers

Three Waters & Waste Unit Financial Report at June 2020					
Activity Summary	Year End \$000's				
	Actual	Budget	Variance	%	C/fwd
Recyclable Materials Collection & Processing	8,813	9,983	1,170	11.7%	145
Residual Waste Kerbside Collection	5,734	6,095	361	5.9%	-
Residual Waste Disposal & Transport	10,371	8,737	(1,634)	-18.7%	-
Landfill Gas Capture & Treatment	345	417	72	17.3%	-
Refuse Transfer Stations	(1,026)	(750)	276	36.8%	-
Operation & Care of Closed Landfills	(1,488)	(246)	1,241	503.7%	100
Residual Waste Collection & Disposal	13,936	14,252	316	2.2%	100
Organics Kerbside Collection	7,753	7,636	(117)	-1.5%	-
Organics Processing incl Composting Plant	3,321	4,437	1,115	25.1%	-
Organic Material Collection & Composting	11,074	12,072	998	8.3%	-
Wastewater Collection	22,364	20,442	(1,923)	-9.4%	-
Treat & Dispose of Wastewater Collected	7,674	4,612	(3,062)	-66.4%	-
Laboratory Services - Wastewater	(54)	(18)	35	192.4%	-
Wastewater Treatment & Disposal	7,621	4,594	(3,027)	-65.9%	-
Water Supply	20,233	18,344	(1,889)	-10.3%	-
Storm Water Drainage	10,012	13,096	3,084	23.5%	-
Flood Protection & Control Works	5,170	8,479	3,309	30.0%	1,582
Three Waters Asset Management	2,690	2,357	(333)	-14.1%	-
Plan/Prog Provision of Future Infrastructure	4,109	4,381	272	6.2%	399
Three Waters Asset Mgmt & Planning	6,799	6,738	(61)	-0.9%	399
	106,022	108,000	1,978	1.8%	2,226
<b>Reconciliation to Controllable Net Cost</b>					
EQ - Infrastructure Rebuild Client Team		-	( )	0.0%	-
Internal Cost Inputs	(4,866)	(4,839)	26	0.5%	-
	101,156	103,160	2,004	1.9%	2,226

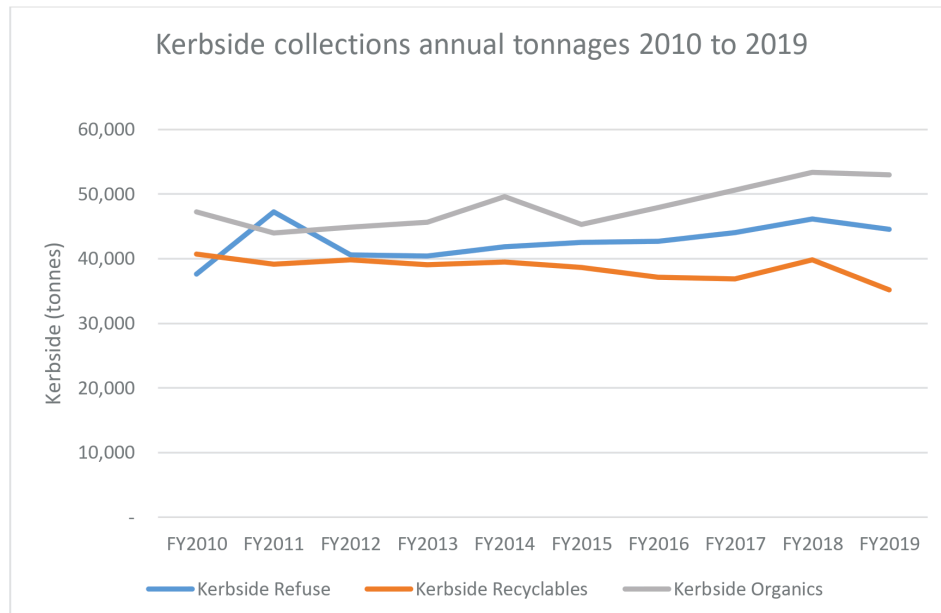
Recyclable materials Collection & Processing for the year ending 30 June 2020 were \$1,170K lower than plan due to lower processing costs, lower advertising and promotion costs and lower professional fees.

Residual Waste Collection & Disposal for the year ending 30 June 2020 was \$216K lower than plan after carry forwards, due to additional revenue from the Burwood Resource Recovery Park, offset by increased maintenance costs at the park and increased Refuse Disposal costs due to COVID-19 and ongoing contamination issues. Audits are being conducted to reduce contamination.

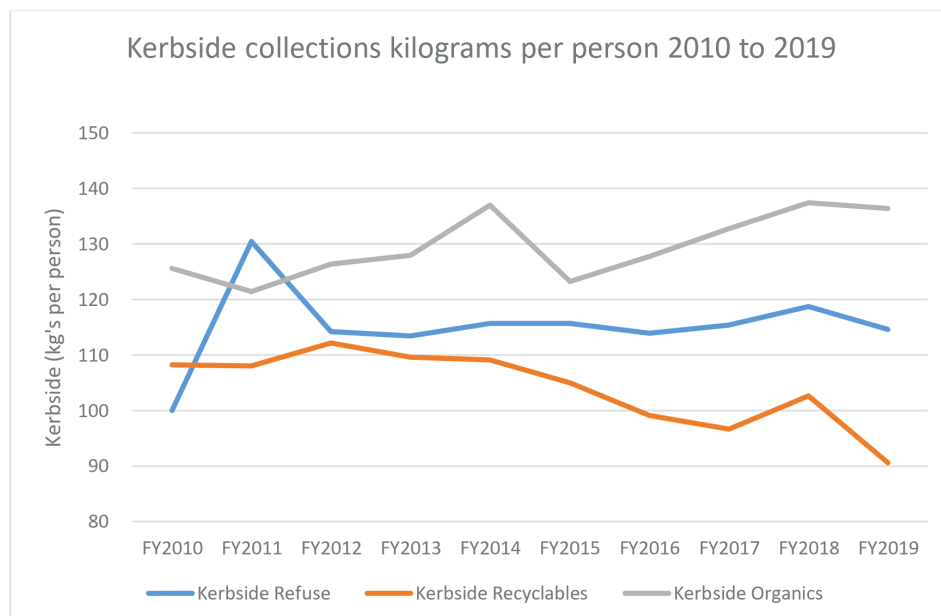
Organics Processing & Composing for the year ending 30 June 2020 was \$998K lower than plan YTD due to lower processing costs and higher revenue from sales for the year.

## SOLID WASTE

### Waste trends



Graph 1

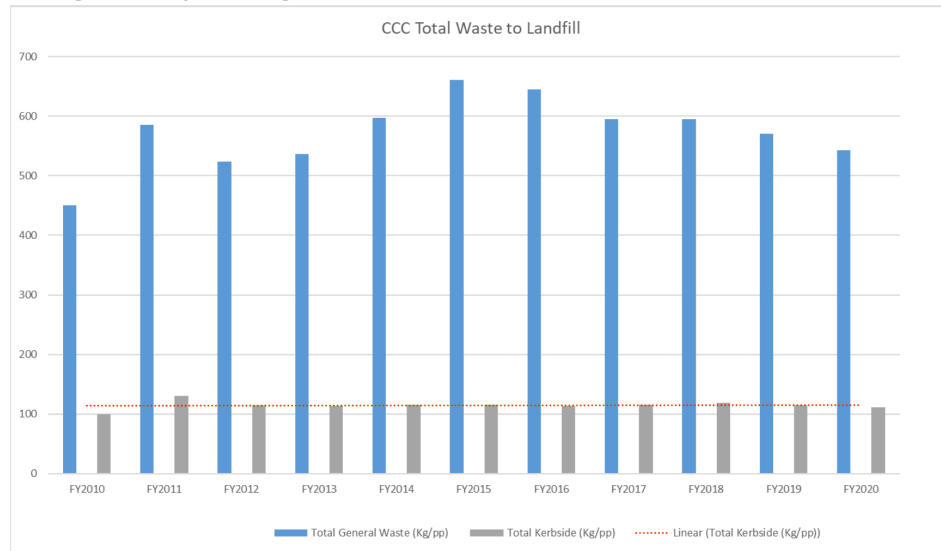


Graph 2

### Kerbside tonnages

The above graphs show the trends in kerbside recycling with graph 1 showing total tonnage per annum and graph 2 showing kilograms per person per annum. There has been an encouraging trend in the last FY with reduction in all kerbside waste streams signalling consumer behaviour demanding less packaging and more reuse.

Total waste to landfill is also showing, graph below, an encouraging trend with overall tonnages steadily reducing since 2015.



### Customer requests – Hybris

There has been a steady increase in customer requests through Hybris tickets since end of lockdown. The street audit and yellow bin contamination issues have also increased ticket queries and complaints.

Object Category ID   Year Month (Reported)	01.2020	02.2020	03.2020	04.2020	05.2020	06.2020	07.2020	08.2020
Assisted Service	5	3	3	6	5	2	5	3
Change Service	65	44	49	16	53	50	51	37
Damaged Bin	998	765	674	583	790	721	833	814
Demolished Buildings	9	16	12	9	14	14	14	10
Return Bins	196	121	97	141	117	86	55	127
Change Enhanced Service	1	4	2		1	2		2
Enhanced New Service	38	26	18	8	17	34	23	23
Labels	1		2		3	1	2	2
Inner City bag not collected	1,197	1,036	1,027	792	787	968	1,110	871
Missed collection	340	291	328	183	299	355	357	295
Missing Bin	121	111	118	38	110	135	129	152
New Service	48	44	27	8	22	81	126	130
Non-compliant Contents/Tampering								
Redeliver / Relocate Bins								
Re-rate Property	27	29	31	5	10	28	37	32
RFID Tags	358	237	152	30	107	40	35	44
Take back /Redeliver Bins	121	87	80	17	59	91	84	94
<b>Result</b>	<b>3,525</b>	<b>2,814</b>	<b>2,620</b>	<b>1,836</b>	<b>2,394</b>	<b>2,608</b>	<b>2,861</b>	<b>2,636</b>

### Organics Processing Plant

Throughout June, July and August Council, Environment Canterbury and Living Earth have been working closely to implement the Adaptive Management Plan for odour. The Adaptive Management Plan was drafted and agreed on in June 2020 with the goal to mitigate odour from the two Council-owned facilities in Bromley, the EcoDrop transfer station and the Organics Processing Plant.

Living Earth have implemented operational changes at the site including hiring new water misters, changing operational practices and reviewing the compost 'recipe'. The process of changing the compost 'recipe' included a significant programme of work to assess what changes could be made to reduce and amend the odour profile of the compost when maturing onsite. A preferred new blend was confirmed on 27 July 2020. It will take about 12 weeks for all compost of the old blend to finish processing and move off-site.

In September Council and Environment Canterbury will assess progress made to date and confirm whether further mitigation is required in the long-term. In line with Council's commitment to review all long-term options for the Organics Processing Plant the Resource Recovery Team have been assessing potential changes. This process includes a feasibility study that is being completed by CEA Ltd to assess the viability of processing mixed-paper at the organics plant as well as reducing odour from the process. The outcome of this study is expected by the end of September.

#### Waste diversion initiatives

There have been ongoing issues with contamination of the recycling bins. Several initiatives have been put into place to increase the recoverable product and to minimise waste in the recycling stream.

Kerbside auditing of recycling bins continues daily, with eight auditors focusing on areas with high rates of contamination. A monitoring list has been developed where bins are checked for their next few cycles, with educational material delivered to the residents. Bins may be flagged for removal if non-engagement and non-compliance continues.

A citywide booklet drop of our "Have You Bin Good" kerbside bin use guide, was carried out in the first week of August. This has been well received, with much positive feedback on the clear direction regarding items previously causing confusion. New bin stickers are available at all libraries and services centres and have been in high demand from residents.

Digital communication initiatives are being developed to engage a wider audience, including an update of the kerbside bin app. Community talks are being carried out weekly by resource recovery staff, to educate residents on waste minimisation. Waste free workshops with Kate Meads commence in September (with social distancing measures in place) on Waste Free Parenting, Waste Free Living and Foodlovers Masterclass.

In addition, several internal projects are underway to reduce waste and increase knowledge of staff, including renewal of collateral in the tearooms and additional attention paid to sources of waste.

Battery Recycling continues to garner interest from other Councils. Since May 2019 over nine tonnes of batteries have been collected for recycling in Christchurch. A regional model is being developed and used to lobby for a product stewardship model for batteries. Processing and recycling options for the batteries both on and offshore are driven by the increasing demand for circular economy options for these batteries, depending on chemistry.

Communications with WasteMINZ and other Territorial Authorities continues to be a vital part of working towards a circular economy in New Zealand. Involvement from members of the Resource Recovery Team includes:

- Representation on the Container Return Deposit Scheme working group
- Involvement in a working group that developed national messaging around swapping out single use plastics, for Plastic Free July
- Election of a Christchurch City Council and Canterbury Waste Joint Committee Rep on the National TAO Forum Steering Committee
- Work underway on submitting on the Governments Consultation Document regarding the ban of several single use plastic items, in conjunction with WasteMINZ
- Shared information and communications with neighbouring councils
- Investment in the “One Planet” website – a national resource around waste reduction initiatives.

#### Kerbside collection

The Wheelie bin API integration has now completed testing with a few minor data queries being resolved with the contractor. We expect to see this live by the end of the year.

The RFID bin tag programme has not delivered all of the agreed outcomes due to unreliable data collection. The contractor is now inspecting all trucks on a daily basis to identify and resolve these issues.

#### Transfer stations

##### Metro

- Odour monitoring equipment (E-nose) has been installed on the pit building to assist with data collation in collaboration with the Environment Canterbury Bromley Odour Monitoring Project.
- As part of EcoDrop’s Adaptive Management Plan they now remove all material from the pit floor at the end of each business day.
- Staff are working with the Christchurch City Council Educational team and the site contractors to improve safety and improve signage for groups coming on site.
- Nine new hazardous waste containers have been located at the EcoDrop Recycling Centres (three at each site).

##### Parkhouse

- Stage 2 upgrade to the stormwater first flush system completed. All stormwater sumps on site now have a robust sump cage installed. Regular inspection and cleaning forms part of the environmental management plan for the site.

- EcoCentral's proposed site future development plan is being considered as part of Council's Long Term Plan for traffic flow, additional diversion, and Canterbury Waste Services lease.

#### Styx Mill

- A breakdown occurred with the compactor ejector resulting the compactor body being twisted. A change out was done quickly with the critical spares in stock. A new compactor ejector will need to be built.
- To meet the District Plan requirements there is ongoing planting and improvements to the grounds maintenance.

#### Banks Peninsula

- Hazardous Household Waste free drop off day at Barry's Bay Transfer Station, scheduled for March, was postponed due to Covid lockdown level 3 and 4. We are working with AgRecovery on setting up a combined collection day so we can improve the service and engage with the rural community engagement.
- As part of the development of the site a permanent toilet facility and upgrade of office building and steel bin collection area will be enacted.

#### EcoSort (materials recovery facility)

During the Covid level 4 lockdown the EcoSort was closed for the period 6 April - 4 May due to a significant increase in contamination and Health and Safety concerns for staff. All collected recycling was sent to landfill during this period. Since the restart of the facility 42% of truckloads have been rejected due to contamination of around 15% per truck. In response to the very slow reduction in contamination we have:

- launched a 'bin right' campaign to highlight what is accepted in the yellow bin
- increased our bin checking programme with targeted education
- completed a citywide flyer drop
- begun a campaign to address soft plastics – one of the most common items mistakenly put in the yellow bin.

Staff will also investigate more flexibility for residents with respect to wheelie bin capacity options and associated payments.

EcoCentral have received \$16.8 million from the Ministry for Environment for upgrading the materials recovery facility with improved technology to sort plastics and fibre. Council staff assisted in the funding process and new assets will ultimately be owned by Council. The announcement was made by the Associate Environment Minister Eugenie Sage at the facility.





*Craig Downie – CE Eco Central, Eugenie Sage – Associate Minister for the Environment, and Lianne Dalziel – Mayor of Christchurch, physically distanced, at EcoCentral*

#### Landfill aftercare

Council staff are working on remediation options for a number of at risk former landfill sites, including sites at risk from the effects of sea level rise.

Current work includes:

- Options for Le Bons Bay closed landfill on Banks Peninsula completed.
- Site remediation project underway for the Bexley closed landfill – as agreed by Council.
- Quantifying risks associated with landfill gas at closed landfills.

#### Burwood Resource Recovery Park

The Construction and Demolition Waste landfill established in response to the Christchurch's earthquake sequence is being progressively closed, with a plan to return it to a recreational area.

Key updates include:

- A price increase (\$20 to \$65 per tonne) which took effect in March 2020 has increased revenue in the order of \$500,000 per month.
- We are working with the Department of Prime Minister and Cabinet (DPMC), National Emergency Management Authority (NEMA) and TransWaste to transfer building demolition material from sites where there was loss of life, including demolition material from the CTV and PGC buildings, currently stored at site D at Burwood landfill to site B. Part of this work involves engaging with families of those who died.
- Rehabilitation planting at Burwood has progressed well with around 60,000 native plants to date.

- Drilling of five new landfill gas wells was completed in March 2020, with the wells connected to the network after lockdown on 6 May 2020 – total cost \$107,606. Gas composition from the new wells has been high in methane and with the new wells operational the LFG is being produced with lower suction pressure.

The table below shows the amount of landfill gas utilised by Council facilities and compares this amount of energy with replacement by diesel fuel.

	Total CH4 used at Bromley, Civic & Art Gallery	Total CH4 used at Bromley, Civic & Art Gallery	Equivalent Volume of Diesel Energy	Monthly Diesel Price	Dollar Value of Diesel Costs Saved Per Month
	tonnes	GJ	litres	dollars per litre	dollars
Jan-20	70.83	3,931	112,571	\$ 1.64	\$ 185,066
Feb-20	42.78	2,374	67,988	\$ 1.63	\$ 110,753
Mar-20	74.21	4,119	117,941	\$ 1.46	\$ 172,469
Apr-20	78.33	4,347	124,494	\$ 1.30	\$ 161,718
May-20	60.46	3,356	96,096	\$ 1.32	\$ 126,750
Jun-20	38.35	2,128	60,951	\$ 1.33	\$ 81,004
Jul-20	50.27	2,790	79,890	\$ 1.34	\$ 106,707



## 11. Ōtākaro Avon River Corridor Waitaki Street Stopbank Relocation Advancement

Reference / Te Tohutoro: 20/417204

Report of / Te Pou  
Matua: Keith Davison - Team Leader/Programme Manager Stormwater & Waterways  
Keith.davison@ccc.govt.nz

General Manager /  
Pouwhakarae: David Adamson - General Manager City Services  
David.adamson@ccc.govt.nz

### 1. Executive Summary / Te Whakarāpopoto Matua

- 1.1 The purpose of this report is to seek a decision from Council on advancing the delivery of the Ōtākaro Avon River Corridor (OARC) works in the vicinity of the Waitaki Street and Bexley Road intersection. Funding for the works is planned to start in financial year 2024/25. A bring back to the next three years will be required within the LDRP 521 Avon Floodplain Management Implementation Project. Funding from other sources is also proposed. Staff delegations to progress the project rapidly are sought.
- 1.2 The decisions in this report are of medium significance in relation to the Christchurch City Council's Significance and Engagement Policy. The level of significance was determined by the fact that although the cost of the works is low (compared to a major project), public interest in the Corridor is high. Delivery of the proposed works will also support Council compliance with the conditions of the Comprehensive Stormwater Discharge Consent and are in keeping with the draft Ōtākaro Avon Stormwater Management Plan.
- 1.3 The project consists of a stormwater treatment facility, a new stopbank and a tidal wetland in the triangle of land to the north west of Pages Road, North East of ANZAC Drive and the south east of the Ōtākaro Avon River (Figure 1). Outside of the area shown in Figure 1, there will be pipework to collect water to the site. The works are in general accordance with the OARC Regeneration Plan and the Capital Acceleration Regeneration Funding (CARF) better business case. The works will interact with other OARC projects, including the Bexley Landing and the Pages Road Bridge Realignment.
- 1.4 The current budget estimate for the works is \$12 million +/- 30%. The project is in the design phase and identified as part of a 'shovel ready' project funding application, put to the New Zealand Government via Infrastructure Industry Reference Group / Crown Infrastructure Partners Limited in April 2020. At the time of writing this report no direction has been provided on the success, or otherwise, of the application.



Figure 1 Location of the works (within blue shaded area)

## 2. Officer Recommendations / Ngā Tūtohu

### That the Three Waters Infrastructure and Environment Committee:

1. Approves re-phasing of project budget within the LDRP 521 Avon Floodplain Management Implementation Project (CPMS ID 41639) to deliver the works, unless alternative funding applications are successful prior to 30 November 2020, as set out below:
  - a. FY20/21: \$2.8 million
  - b. FY21/22: \$6.8 million
  - c. FY22/23: \$1.4 million
  - d. FY23/24: \$1 million + any residual budget remaining in that year.

*Note: 'the works' are a stormwater facility, stopbank, tidal wetland and associated infrastructure works within the Bexley Road / Waitaki Street Area. The works will be funded from both LDRP 521 (as part of the operative LTP) and the Capital Regeneration Acceleration Fund.*

2. Approve staff to manage the project progress and finances within existing staff delegations.
3. Approve the expenditure of any budget remaining after completion of this phase of the project on other project phases.



### 3. Reason for Report Recommendations / Ngā Take mō te Whakatau

- 3.1 The existing stopbank in the project area is in poor condition. The nature of the stopbank and general ground / bank conditions make repairs very challenging.
- 3.2 The new stopbank alignment, in general accordance with the OARC Regeneration Plan, has been investigated as an alternative to making repairs (approved by the General Manager City Services in December 2019). This report seeks approval for the blue-green infrastructure works associated with and adjacent to the proposed stopbank realignment.
- 3.3 In addition, there are local drainage issues within the area that will be reduced with the proposed works.
- 3.4 Early delivery of this phase of the wider LDRP 521 Avon Floodplain Management Implementation Project would provide a great example for delivery of the remainder of the blue-green infrastructure within the River Corridor. The subsequent phase could be to construct the proposed facilities in the area to the south of Pages Road (Figure 2).



Figure 2 Potential follow on work area

### 4. Alternative Options Considered / Ētahi atu Kōwhiringa

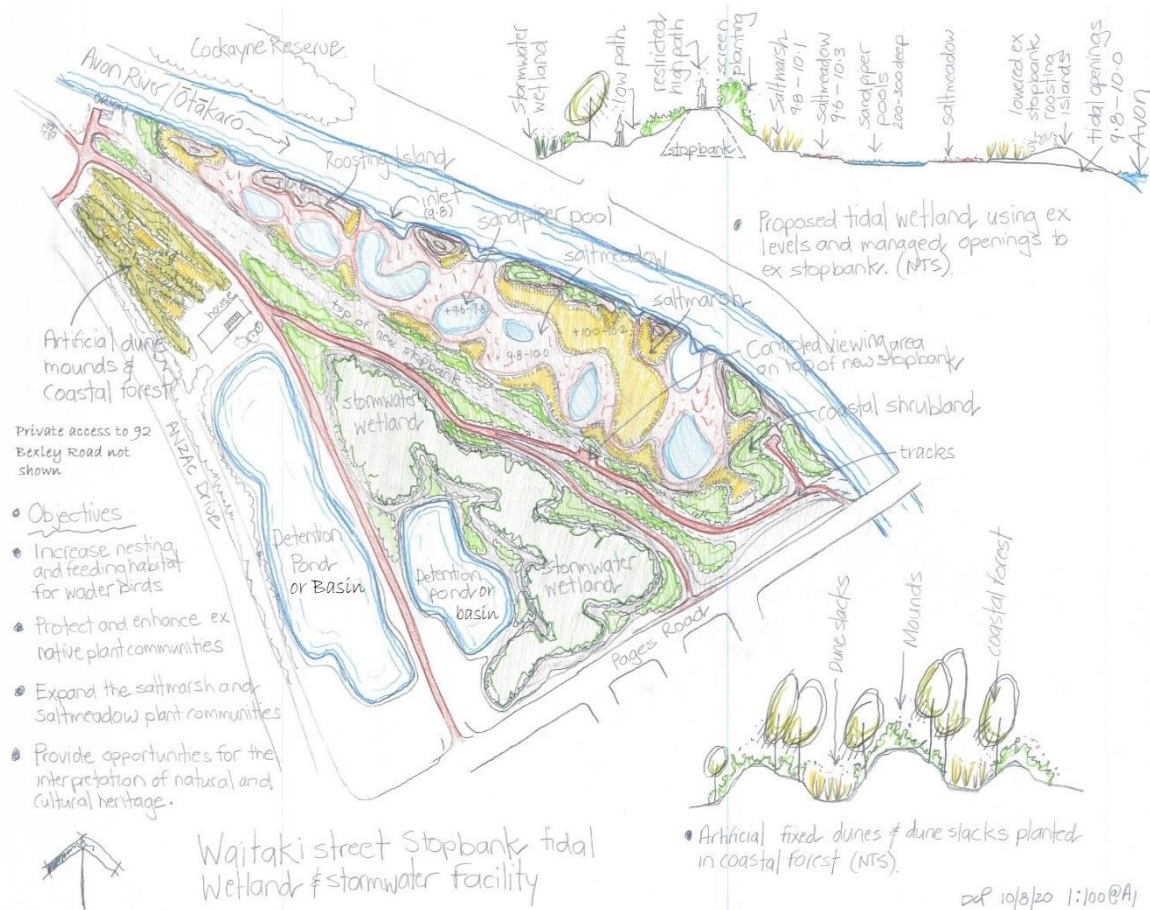
- 4.1 As Council has to give effect to the OARC Regeneration Plan alternative land uses were not considered.
- 4.2 Alternative timing options are available to Council. Council could decide to reject the proposed acceleration of the works and keep funding beginning in FY24/25. This would delay the start of the project, and, likely lead to investment in the strengthening the existing

stopbank. Prolonged periods of surface flooding within the project area has been observed. Unless otherwise addressed, this will remain until the works are progressed.

- 4.3 Delaying the project would enable Council to continue to focus on existing projects within the capital programme. Should funding from the stormwater drainage or flood protection and control works activity programmes be required then this may result in some delays to existing projects but this will be managed at a programme level, with a minor impact overall.
- 4.4 The recommended option is preferred as it addresses a number of issues relating to:
  - 4.4.1 Confidence in the existing stopbank
  - 4.4.2 Stormwater quality and compliance with the comprehensive stormwater network discharge consent
  - 4.4.3 Stormwater ponding
  - 4.4.4 Intertidal habitat.

## 5. Detail / Te Whakamahuki

- 5.1 The proposed works include (Figure 3):
  - 5.1.1 A new stormwater detention basin and wetland to treat water before it is discharged to the Ōtākaro / Avon River
  - 5.1.2 A new stopbank to reduce the risk of flooding to homes in Aranui / Bexley
  - 5.1.3 A tidal / coastal wetland area to enable migration of the intertidal zone as sea levels rise
  - 5.1.4 Upstream connecting pipework to divert untreated stormwater to the treatment facility
  - 5.1.5 Cutting down the existing stopbank in areas to provide tidal flow into the tidal / coastal wetland area
  - 5.1.6 Modifications to the existing river bank to increase the long term stability of the bank
  - 5.1.7 Construction of a new access for 92 Bexley Road
  - 5.1.8 Installation of paths and other recreational and landscape features to deliver the OARC Regeneration Plan concept.
- 5.2 Some changes to the current concept are expected as the design develops but the final design will remain in general accordance with what is proposed in this report. Floating wetlands are also being considered for placement in the proposed detention basin. Alternatively, portions of the detention basin could be replaced with a planted wetland area.
- 5.3 Preferred access to the privately owned property at 92 Bexley Road is still under consideration. Vehicle access to the area would be limited to Council / utility maintenance vehicles and the private resident only.



- 5.4 The accelerated programme is to complete the detailed design this year with tendering early 2021. There are programme risks with progressing the project on this time line, including:
- 5.4.1 Securing resource consents
  - 5.4.2 3<sup>rd</sup> party negotiations / approvals (e.g. landowners, utility providers and NZTA)
  - 5.4.3 Approvals from the Community Board may also be required.
- 5.5 The decision affects the following wards/Community Board areas:
- 5.5.1 Waitai/Coastal-Burwood
- 5.6 Extensive public engagement and consultation on the OARC Regeneration Plan was undertaken by Regenerate Christchurch. The regeneration plan has been approved by the Greater Christchurch Regeneration Minister. The works are in general accordance with the widely supported plan. As the work is developed, we will be engaging with directly affected parties and with wider stakeholders and residents to raise awareness of the project and update on progress.
- 5.7 Tree removals will be required for the works to proceed.

## 6. Policy Framework Implications / Ngā Hīraunga ā- Kaupapa here

### Strategic Alignment /Te Rautaki Tīaroaro

- 6.1 The Council has a strategic priority to meet the challenge of climate change through every means available. Construction of the proposed works will help reduce the risk of flooding of properties behind the stopbanks and the stormwater wetland will absorb carbon from the atmosphere.

- 6.2 This project also supports other strategic priorities by *enabling active and connected communities to own their future* through delivery against the OARC Regeneration Plan and *accelerating the momentum the city needs* by capital investment in robust city infrastructure. The community outcomes of *resilient communities* and *healthy environment* are also supported by the project.
- 6.3 The project is also in keeping with Council's principle of *taking an inter-generational approach to sustainable development, prioritising the social, economic and cultural wellbeing of people and communities and the quality of the environment, now and into the future* through the promotion on indigenous biodiversity and ecology within the multi-values design approach adopted for the project. There will be intergenerational benefits for creation of inter-tidal habitat and management of flood risk.
- 6.4 This report supports the [Council's Long Term Plan \(2018 - 2028\)](#):
- 6.4.1 Activity: Flood Protection & Control Works
- Level of Service: 14.1.6.1 Reduce risk of flooding to property & dwellings during extreme rain events - Annual reduction in the modelled number of properties predicted to be at risk of habitable floor level flooding of the primary dwelling in a 2% AEP Design Rainfall Event

#### **Policy Consistency / Te Whai Kaupapa here**

- 6.5 The decision is consistent with Council's Plans and Policies.
- 6.6 The works are generally consistent with the OARC Regeneration Plan and Council's Integrated Water Strategy. The wider project is also identified within the Infrastructure Strategy as a key project.

#### **Impact on Mana Whenua / Ngā Whai Take Mana Whenua**

- 6.7 The decision does involve a significant decision in relation to ancestral land or a body of water or other elements of intrinsic value, therefore this decision does specifically impact Mana Whenua, their culture and traditions.
- 6.8 Mana Whenua (via Mahaanui Kuratao) and Matapopore have been asked for comment on the proposal. At the time of writing the report no feedback had been received. Any feedback provided to staff before the Council meeting will be relayed verbally.

#### **Climate Change Impact Considerations / Ngā Whai Whakaaro mā te Āhuarangi**

- 6.9 Climate change has been allowed for in the design of the project through:
- 6.9.1 Consideration of future stormwater runoff with increased rainfall intensities
- 6.9.2 Creation of the tidal / coastal wetland and migration of the inter-tidal zone upriver with sea level rise
- 6.9.3 Including an allowance in the stopbank crest height for future uncertainties.

#### **Accessibility Considerations / Ngā Whai Whakaaro mā te Hunga Hauā**

- 6.10 The proposed path network will be designed to be accessible. Future construction of Bexley Landing will also provide additional access to the site.

## **7. Resource Implications / Ngā Hīraunga Rauemi**

#### **Capex/Opex / Ngā Utu Whakahaere**

- 7.1 Cost to Implement – The construction cost estimate is \$12 million +/- 30%, excluding land purchase costs. The stopbank construction accounts for approximately half of this estimate.



The confidence in this estimate will increase as the design progresses. Some land purchase from utility providers may be required to support the project. In addition, some service relocations may also be required, which has contributed to the 30% cost uncertainty.

- 7.2 Maintenance/Ongoing costs – There will be an ongoing operational cost associated with the proposed works. This will be somewhat balanced by the reduction in operational costs associated with replacement of the existing stopbank. Overall, a 2% p.a. operational expenditure allowance has been estimated for the works, being \$250,000 to allow for future stormwater facility sediment removal, management of vegetation, paths, and structures on the site. This is not currently funded in the Long Term Plan.
- 7.3 Funding Source – ‘Shovel Ready’ funding has been applied for. At the time of writing this report, direction has not been given regarding the success of the funding, or otherwise. Components of the project are supported by Capital Regeneration Acceleration Fund (CRAF) monies already provided to Council by the Crown. This funding could be applied to support the landscape, recreational and ecological components of the design. The exact funding split will be established upon preparation of the tender documents.
- 7.4 Other funding sources may be available to Council, including, Freshwater Improvement funding. It is unlikely that successful applications from this fund or other sources will be achieved prior to the desired construction phase.
- 7.5 Should all of the above funding sources prove unsuccessful prior to 30 November it is proposed that funding be provided through a bring back within the LDRP 521 Avon Floodplain Management Implementation Project.
- 7.6 Accelerating the project may not result in an overall three waters programme level delay as the proposed level of funding may be available through currently forecast carry forwards or re-phasing of potential savings. There will be delay in the start of two land drainage projects to support delivery of this project, including: Heathcote Low Stopbanks and a brick barrel replacement in St Albans. Re-phasing of some funding for Cashmere Worsleys and Cox’s-Quaifes basins will better match forecast spend profiles. A part deferral of funding for the flood intervention policy will also be required.

#### **Other / He mea anō**

- 7.7 In order to manage the project on an ongoing basis approval is sought for staff to manage the project progress and finances within existing staff delegations.

### **8. Legal Implications / Ngā Hīraunga ā-Ture**

#### **Statutory power to undertake proposals in the report / Te Manatū Whakahaere Kaupapa**

- 8.1 Council has powers under the Local Government Act 2002 and the Christchurch City Drainage Act 1951 to enact flood management works. The proposed works are also supported through the OARC Regeneration Plan and the District Plan.

#### **Other Legal Implications / Ētahi atu Hīraunga-ā-Ture**

- 8.2 There is no legal context, issue or implication relevant to this decision.
- 8.3 This report has not been reviewed and approved by the Legal Services Unit.

### **9. Risk Management Implications / Ngā Hīraunga Tūraru**

- 9.1 There are a number of risks that will need to be managed through the design and construction process, including:

- 9.1.1 **Land access and LINZ land transfer:** the land is going through the reconfiguration process set out in the Global Settlement Agreement. This will see the land transfer to Council with the underlying residential lots amalgamated into larger lots. Redundant instruments will be removed and some roads stopped. A number of property issues remain to be resolved with respect to private and public utility provider interest. On that basis the project is provided for in the LTP and existing general delegations will be used to purchase any property interests required.
- 9.1.2 Until the land transfers to Council access has been secured by way of a lease to enable site investigations. Further negotiations will be required before the works can commence whilst the land transfer, road stopping and re-surveying process is undertaken. Enacting works before the LINZ transfer process completes generates a risk around initiating works on land that Council does not own or fully control.
- 9.1.3 Preferred access routes for 92 Bexley Road is also under consideration. Land access and LINZ land transfer: Council has secured a lease over the land which will enable the works to commence whilst the land transfer, road stopping and re-surveying process is undertaken. Preferred access routes for 92 Bexley Road is also under consideration.
- 9.1.4 **Other related projects:** Rebuild of the Pages Road Bridge or construction of the Bexley Landing could create some minor delays to the project or result in some minor later rework.
- 9.1.5 **Cost estimation:** The current cost estimate is based upon a concept design. As the design progresses it is likely that the construction cost estimate will fluctuate for items such as, service relocations and property purchase. The final total cost for the project will vary from the current \$12 million estimate. It is proposed to manage any variance in the project budget through standard processes and existing staff delegations. A resolution has been recommended to give effect to this approach.
- 9.2 There are also residual risks following construction:
  - 9.2.1 **A river level exceeding the stopbank crest:** there is always a possibility of an event occurring that exceeds the capacity of the system resulting in flooding
  - 9.2.2 **Future earthquakes:** land damage in a future earthquake could damage the works or lower the land reducing their effectiveness
  - 9.2.3 **Sea level rise:** the rate of sea level rise is uncertain so the stopbank will likely need to be raised in the future
  - 9.2.4 **Stopbank failure:** any defence could fail, however, the design includes industry standard approaches for managing these risks
- 9.3 The design does not seek to prevent groundwater seepage beneath the stopbank but rather manage the risk that any seepage poses to the integrity of the bank.



## Attachments / Ngā Tāpirihanga

There are no appendices to this report.

In addition to the attached documents, the following background information is available:

Document Name	Location / File Link
Ōtākaro Avon River Corridor Regeneration Plan	<a href="https://dpmc.govt.nz/sites/default/files/2019-08/Otakaro%20Avon%20River%20Corridor%20Regeneration%20PlanReducedSize.pdf">https://dpmc.govt.nz/sites/default/files/2019-08/Otakaro%20Avon%20River%20Corridor%20Regeneration%20PlanReducedSize.pdf</a>

## Confirmation of Statutory Compliance / Te Whakatūtutanga ā-Ture

Compliance with Statutory Decision-making Requirements (ss 76 - 81 Local Government Act 2002).

(a) This report contains:

- (i) sufficient information about all reasonably practicable options identified and assessed in terms of their advantages and disadvantages; and
- (ii) adequate consideration of the views and preferences of affected and interested persons bearing in mind any proposed or previous community engagement.

(b) The information reflects the level of significance of the matters covered by the report, as determined in accordance with the Council's significance and engagement policy.

## Signatories / Ngā Kaiwaitohu

Author	Tom Parsons - Surface Water Engineer
Approved By	Keith Davison - Team Leader/Programme Manager Stormwater & Waterways John Moore - Manager of Planning and Delivery Andrew Rutledge - Head of Parks Helen Beaumont - Head of Three Waters & Waste Peter Langbein - Finance Business Partner David Adamson - General Manager City Services