
Christchurch West Melton Water Management Zone Committee AGENDA

Notice of Meeting:

A meeting of the Christchurch West Melton Water Management Zone Committee will be held on:

Date: Thursday 24 November 2022
Time: 6pm
Venue: Woolston Community Library Hall 689 Ferry Road,
Woolston

Membership

Chairperson	Annabelle Hasselman - Community Representative
Deputy Chairperson	Mike Patchett - Community Representative
Members	Helen Rutter - Community Representative
	Shona Sluys - Community Representative
	Brynlea Stocks - Community Representative
	Clare Piper – Community Representative
	Cailin Richardson-Hall – Community Representative
	<i>Representative to be appointed</i> - Christchurch City Council Elected Representative
	<i>Representative to be appointed</i> - Councillor Environment Canterbury
	<i>Representative to be appointed</i> - Selwyn District Council
	Arapata Reuben – Te Ngāi Tūāhuriri Rūnanga
	Kākatī Royal - Te Hapū o Ngāti Wheke/Rapaki
	Tyla Harrison-Hunt - Te Taumutu Rūnanga
	Oscar Bloom - Youth Representative

Zone Facilitator
Shelley Washington
Tel: 027 294 5219
Environment Canterbury

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

22 November 2022
Committee Advisor
Luke Smeele
Tel: 941 6374
Christchurch City Council

To view copies of Agendas and Minutes, visit:

<https://www.ccc.govt.nz/the-council/meetings-agendas-and-minutes/>
<https://www.ecan.govt.nz/get-involved/council-and-committee-meetings/>

Christchurch West Melton Water Management Zone Committee

Members' Register of Interests – 2022

Name/Organisation	Interests
Annabelle Hasselman	<ul style="list-style-type: none"> Chair Ōpāwaho Heathcote River Network Shareholder Fulton Ross Team Architects <ul style="list-style-type: none"> Director and Shareholder (Spouse) W H Fulton Family Trust – Trustee (Spouse) – Shares in Fulton Hogan
Arapata Reuben	<ul style="list-style-type: none"> Trustee – Tuahiwi Marae Trustee – Tuhono Trust Trustee – Mana Waitaha Charitable Trust Member – National Kiwi Recovery Group
Oscar Bloom	<ul style="list-style-type: none"> Student at the University of Canterbury
Emma Norrish	<ul style="list-style-type: none"> Director – Metalwork & Design Trustee – Styx Living Laboratory Trust Chairperson – Waipapa/Papanui-Innes Community Board
Mike Patchett	<ul style="list-style-type: none"> Chair, Water and Wildlife Habitat Trust Trustee, The Eco-Action Nursery Trust
Brynlea Stocks	<ul style="list-style-type: none"> Employed by Environment Canterbury
Clare Piper	<ul style="list-style-type: none"> Employed by Christchurch City Council
Cailin Richardson-Hall	<ul style="list-style-type: none"> Passion for Sustainability

TABLE OF CONTENTS

Karakia Tīmatanga

1. Apologies.....	4
2. Declarations of Interest	4
3. Identification of General Public Contribution.....	4
4. Deputations by Appointment	4
5. Presentations by the Community.....	4
6. Confirmation of Previous Minutes.....	4
7. Matters Arising from the Minutes.....	4
8. Identification of Urgent Items by Committee Members.....	4

REPORTS

9. Stormwater Superhero Awards	13
10. Surface Water Quality Annual Report 2021	15
11. Cashmere and Port Hills Working Group.....	17
12. Ngā Puna Wai, Restoring the mauri of urban freshwater springs: Cashmere Stream and Ōpāwaho Heathcote River headwaters.....	29
13. Develop early input to Councils' Annual Plans for 2022-2023.....	31
14. Facilitators Update – 24 November 2022	35
15. Other Matters	41

Karakia Whakamutunga

Karakia Tīmatanga

Opening Prayer

Whakataka te hau ki te uru	<i>English translation</i>
Whakataka te hau ki te tonga	Cease the winds from the west
Kia mākinakina ki uta	Cease the winds from the south
Kia mātaratara ki tai	Let the breeze blow over the land
E hī ake ana te atakura	Let the breeze blow over the ocean
He tio, he huka, he hau hunga	Let the red-tipped dawn come with a sharpened air.
Tihei mauri ora!	A touch of frost, a promise of a glorious day.

1. Apologies

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

2. Declarations of Interest

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. Identification of General Public Contributions

4. Deputations by Appointment

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

5. Confirmation of Previous Minutes

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on [Thursday, 25 August 2022](#) be confirmed (refer page 5).

6. Matters Arising from the Minutes

7. Identification of Urgent Items by Committee Members

Raised items will be discussed in Other Matters.



Christchurch West Melton Water Management Zone Committee OPEN MINUTES

Date: Thursday 25 August 2022
Time: 6:04pm
Venue: Te Hapua Halswell Library - Piharau Room

Present

Chairperson	Annabelle Hasselman - Community Representative
Deputy Chairperson (Acting Chair)	Mike Patchett - Community Representative
Members	Helen Rutter - Community Representative
	Shona Sluys - Community Representative
	Brynlea Stocks - Community Representative
	Councillor Phil Clearwater - Councillor Environment Canterbury
	Councillor Sophie McInnes - Selwyn District Council
	Arapata Reuben - Te Ngāi Tūāhuriri Rūnanga
	Oscar Bloom - Youth Representative

Zone Facilitator
Shelley Washington
Tel: 027 294 5219
Environment Canterbury

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

Committee Advisor
Luke Smeele
Tel: 941 6374
Christchurch City Council

www.ccc.govt.nz

To view copies of Agendas and Minutes, visit:
www.ccc.govt.nz/the-council/meetings-agendas-and-minutes/
www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx

Karakia Timatanga: Councillor Phil Clearwater

The agenda was dealt with in the following order.

1. Apologies

Committee Recommendation

That the apology for absence received from Emma Norrish be accepted.

Mike Patchett/Sophie McInnes

Carried

2. Declarations of Interest

There were no declarations of interest recorded.

3. Identification of General Public Contributions

There were no public presentations.

4. Deputations by Appointment

There were no deputations by appointment.

5. Presentations by the Community

- Nil.

6. Confirmation of Previous Minutes

Committee Recommendation

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on Thursday, 28 July 2022 be confirmed.

Phil Clearwater/Brynlea Stocks

Carried

8. Identification of Urgent Items by Committee Members

Water Race – Bio-diversity

Fire at the Woolston scrap metal car yard - Ōpāwaho River

Committee Member Arapata Reuben joined the meeting at 6:15pm

9. Erosion and Sediment Control

Jessica Newlands, Senior Resource Management Officer (ECan) and Clive Appleton, Healthy Waterways Programme Lead (CCC) gave a presentation on the Emily Heights Subdivision (see Minutes attachment for power point presentation).

Clive began the presentation by outlining Christchurch City Council's Comprehensive Stormwater Network Discharge Consent (CSNDC).

The presentation included information on:

- Stormwater approval process – Written consent to discharge is given provided that the CCC is confident that the risks from the discharge are adequately mitigated.
- Condition 41 and the Sediment Discharge Management Plan (SDMP) – development sites should have prepared and implemented Erosion and Sediment Control Plans which meet best practices.

Jess began by speaking on the Emily Heights Subdivision case outlining the timeline of events related to the site's development.

The presentation included information on:

- Issues which the site has had encountered related to sediment control.
- Erosion and sediment control in the future – including a survey into erosion and sediment control compliance across a sample of development sites.
- Proactive monitoring during rainfall events.
- Further training for CCC staff in erosion and sediment control.
- ECan and Community to progress with "Rainy Day Inventory" project.

Staff suggested that sediment control is an issue nationally however Christchurch has a variety of factors which make sediment control and management a unique problem – loess soils on Port Hills in urban environment.

Staff noted checking sediment controls on development sites after a storm indicates that controls are not correctly installed.

Staff indicated that it was their opinion that erosion and sediment control tools are effective provided that they are used in the right scenario and installed correctly.

The presentation ended with a request that the Committee consider raising this topic with central government. The purpose would be, to discuss the environmental problems associated with erosion and sediment control of developments on highly erodible hillsides. Also to emphasise these need tighter requirements or restrictions or not allowed on highly erodible slopes over a certain angle. It was commented that Nelson has also got loess soils and even long established subdivisions have had hillside erosion due to large rainfall, which is an expected consequence of climate change.

Committee Member Mike Patchett presented a motion for the Committee to consider.

Background:

That the Committee acknowledges the serious water pollution of the Avon Heathcote-Estuary-Ihutai and repeated complaints from the local community over the past couple of years about sediment laden water from the Emily Heights urban development site going down the street and into the Estuary.

In light of the report from staff a further motion was suggested by Committee Member Helen Rutter for the Committee to consider.

Members had the following questions/comments:

Members inquired whether sediment control issues have been raised before on a national level?

Members inquired whether there were adequate tools to control and manage sediment discharge?

Members commented that it was the role of the Committee to stress the significance and importance of the issue.

Members indicated that it would be productive to advocate for a holistic approach be taken between ECan and CCC.

The committee thanked staff for their report.

Committee Resolved CWZC/2022/00011

That the Christchurch West Melton Water Management Zone Committee:

Recommends to Christchurch City Council and Environment Canterbury:

1. That an independent audit of the environmental effectiveness of the regulatory instruments, arrangements and capacity building applying to erosion and sediment control and contaminated stormwater management, be conducted.
2. That this audit used to improve the regulatory frameworks, instruments and environmental outcomes for waterways within our Zone.

Mike Patchett/Phil Clearwater

Carried

Committee Member Oscar Bloom and Helen Rutter dissented.

Committee Resolved CWZC/2022/00012

That the Christchurch West Melton Water Management Zone Committee:

1. Receives the report from Environment Canterbury and Christchurch City Council on erosion and sediment control.

Helen Rutter/Oscar Bloom

Carried

Committee Resolved CWZC/2022/00013

That the Christchurch West Melton Water Management Zone Committee:

Recommends that Christchurch City Council and Environment Canterbury:

1. Advocate to central government, the environmental problems associated with erosion and sediment control from developments on highly erodible hillsides and requests that these be subject to tighter requirements or restrictions.

Helen Rutter/Oscar Bloom

Carried

Attachments

- A Christchurch West Melton Zone Committee - 25 August 2022 - Environment Canterbury Emily Heights PP (004)
- B Christchurch West Melton Zone Committee - 25 August 2022 - Emily Heights ECan and CCC Memorandum

10. Ōtukaikino Stormwater Management Plan Briefing

Paul Dickson, Drainage Engineer (CCC) gave a presentation to the Committee on the draft Ōtukaikino Stormwater Management Plan (see Minutes attachment for power point presentation).

The presentation included information on:

- Content in the Stormwater Management Plan (SMP) –
- Contaminants
- Flooding
- Proposed mitigation
- An outline of where the SMP sits in the framework of water management –
- Rural catchment
- Urban catchment
- Long term expectations for the SMP

Staff responding to questions stated that CCC requires that a catchment be qualified as either high risk or high value and the catchment is currently qualified as high value rather than high risk.

Members had the following comments/questions:

Members inquired whether there was a case to qualify the catchment as “high risk”?

Members commented that street sweeping can have a significant impact on water health as it has a number of flow-on effects including reducing the number of plastics and litter that end up in urban water ways.

Committee Resolved CWZC/2022/00014

That the Christchurch West Melton Water Management Zone Committee:

1. Receives the report from Christchurch City Council on the development of the Ōtukaikino Stormwater Management Plan

Sophie McInnes/Helen Rutter

Carried

Attachments

- A Christchurch West Melton Zone Committee - 25 August 2002 - Ōtukaikino Stormwater Management Plan Briefing

11. Proposed Addington Brook Restoration

Zone Committee Member Mike Patchett presented to the Committee on the Addington Brook Restoration Plan (see Minutes attachment for power point presentation).

The presentation included:

- Conceptualisation of the system and plan.
- Detailed images of the area and adjoining systems.
- Detailed breakdown of the existing vegetation in the area and marked opportunities to make additions to the tree canopy to enhance diversity and improve habitat health.

Committee Resolved CWZC/2022/00015

That the Christchurch West Melton Water Management Zone Committee:

1. Receives the report from Mike Patchett.
2. Strongly supports the proposed master plan for enhancing the water quality and ecosystem of Addington Brook as it flows through Hagley Park. Informs the Christchurch City Council of the opportunity to utilise the outcomes of the project to build community awareness and education about healthy waterways.
3. Provides a letter of support to Christchurch City Council for this proposal.

Brynlea Stocks/Helen Rutter

Carried

Attachments

- A Christchurch West Melton Zone Committee - 25 August 2022 - Addington Brook Masterplan Overview with Sections DRAFT

12. Recommendation of allocations of CWMS Action Plan Budget in Christchurch West Melton Zone

The draft CWMS Action Plan budget was introduced to the Committee for further discussion.

Committee Member Annabelle Hasselman declared a conflict of interest in relation to the project Arapata Reuben suggested and Mike Patchett declared a conflict of interest in relation to item (b) Ōtukaikino and did not vote on the Motion.

The Committee elected Oscar Bloom to Chair for the Action Plan Budget item, moved by Helen Rutter and seconded by Phil Clearwater.

Members had the following comments/questions:

Committee Member Arapata Reuben introduced a project which could be a worthy candidate to receive funding from the budget. A brief outline of the project was given to the committee including details of the desired funding allocation of \$10,000.

Members noted that there would only be \$5,000 left after the proposed allocations and inquired as to whether the project would be ongoing and what the negative consequences of receiving additional funding at a later date would be?

It was noted in response that the project would be potentially on going for a five year period.

Committee members also commented that the draft funding allocations presented were done so after a workshop about the budget and documents circulated before that. Given the process followed by other candidates it was best to progress with the funding allocations in the current form. Arapata will prepare some written information about the project for the Committee to consider at their next meeting for allocations of remaining \$5,000 of budget. It can also be considered in future financial years for further budget allocations.

Committee Resolved CWZC/2022/00016

That the Christchurch West Melton Water Management Zone Committee:

1. Recommends that Environment Canterbury approves the expenditure for the following projects to the following organisations:
 - a. \$10,000 to the Avon Ōtākaro Network to assist in the Avon in River Clean (litter collection in river).
 - b. \$10,000 to the Water and Wildlife Habitat Trust for willow and woody weed clearing in the Ōtukaikino.
 - c. \$8,000 to the Avon Heathcote Estuary Ihutai Trust as a contribution towards coordinator costs
 - d. \$5,000 to the Pūharakekenui Styx Living Laboratory Trust as a contribution towards an Education Officer position
 - e. \$5,000 to the Summit Road Society as a contribution towards Avoca Valley Stream Restoration project
 - f. \$5,000 to the Christchurch Envirohub Trust for them to provide staffing and coordination to assist Zone Committee(s) to use the Stormwater Superhero trailer at events/engagement opportunities.
 - g. \$2,000 to Treaty Education for Te Tiriti training for senior high school students and community group members
2. That the Committee recommends allocation of the remaining \$5,000 of budget at either November 2022 or February 2023 meetings.

Brynlea Stocks/Helen Rutter

Carried

Committee Member Arapata Reuben abstained from voting on Item d. Styx in the Budget due to a conflict of interest.

Mike Patchett resumed the Chair.

13. Facilitator's Update - August 2022

Zone Committee members encouraged to identify community groups they wish to give stormwater superhero presentations to.

Committee Resolved CWZC/2022/00017

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the Zone Facilitator's report to August 2022.

Oscar Bloom/Sophie McInnes

Carried

14. Other Matters

Water Race

Committee Member Sophie McInnes raised the Water Race issue noting that these water races have high biodiversity values and are important contributors to the flow of a number of our urban streams.

Woolston scrap metal car yard fire

Committee Chair Annabelle Hasselman raised the issue of the recent fire at the Woolston scrap metal car yard near the Ōpāwaho River noting that it would be beneficial to be aware of the potential for contaminants to be emitted into the urban water ways as a result of fires. The Committee requested a memo be circulated about the process used when fires happen, in terms of potential impacts on waterways and water.

Departures

The Committee also acknowledge the departures of Committee Member and Councillor Phil Clearwater and Committee and Hearings Advisor Liz R. They were thanked for their excellent work and outstanding service.

Karakia Whakamutunga: Councillor Phil Clearwater

Meeting concluded at 8:33pm.

CONFIRMED THIS 29TH DAY OF SEPTEMBER

**MIKE PATCHETT
ACTING CHAIRPERSON**

9. Stormwater Superhero Awards

Reference Te Tohutoro: 22/1626444

Presenter(s) Te Kaipāhō: Shelley Washington, Zone Facilitator
shelley.washington@ecan.govt.nz

1. Purpose of Report Te Pūtake Pūrongo

- 1.1 For the Christchurch West Melton Water Management Zone Committee to award this year's Stormwater Superhero Awards to the winners.

2. Officer Recommendations Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Award the Champion Stormwater Superhero Award to...
2. Award the Stormwater Superhero Award to..
3. Publicise the winners.
4. Provide assistance to the winners with sharing publicity about their awards and some of the stormwater superhero key messages, if desired
5. Reviews the award promotion and selection process to inform the development of an improved Stormwater Superhero awards programme for 2023.

3. Report Te Pūrongo

- 3.1 The Committee has previously coordinated a Stormwater Superhero Awards programme, and has done so again this year, with some changes. The awards were organised by Brynlea Stocks, Mike Patchett and Annabelle Hasselman with assistance from staff at Environment Canterbury and Christchurch City Council.
- 3.2 Three businesses entered. The panel comprised Annabelle Hasselman, Mike Patchett, Jess Newlands and Shelley Washington. The panel visited the entrants in mid-October and have identified the winners and have been creating the certificate and awards. These will be presented at this 24 November 2022 meeting. Following this the media articles and social media will be released. The entrant who does not receive an award will be sent a thankyou letter with some feedback.
- 3.3 The Committee may wish to further build on these awards next year and make further changes such as expanding the programme to other award categories.

Attachments Ngā Tāpirihanga

There are no attachments to this report.

10. Surface Water Quality Annual Report 2021

Reference Te Tohutoro: 22/1626261

Presenter(s) Te Kaipāhō: Shelley Washington, Zone Facilitator
shelley.washington@ecan.govt.nz

1. Purpose of Report Te Pūtake Pūrongo

- 1.1 The purpose of this report is to provide the Christchurch West Melton Water Management Zone Committee with an opportunity to further discuss or make recommendations resulting from the briefing by Dr Belinda Margetts (Christchurch City Council) at the October workshop.

2. Officer Recommendations Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Recognises and supports the Christchurch City Council initiative to develop the draft Healthy Waterways Action Plan and the opportunity it provides for implementing long term change for urban waterways in Christchurch.
2. Advocates for a collaborative partnership to build community engagement and political support for the Healthy Waterways Action Plan.
3. Collaborates with partners involved in the Community Waterways Partnership in this advocacy.

3. Report Te Pūrongo

- 3.1 At the October workshop, Dr Belinda Margetts provided an overview of the results of the Christchurch City Surface Water Quality Annual Report 2021. Dr Margetts also gave an overview of other complementary monitoring programmes, fish passage prioritisation, catchment report cards, research, and the development of a Healthy Waterways Action Plan.
- 3.2 The monitoring reports are available on Christchurch City Council's monitoring webpage <https://www.ccc.govt.nz/environment/water/waterways/waterway-monitoring>

Attachments Ngā Tāpirihanga

There are no attachments to this report.

11. Cashmere and Port Hills Working Group

Reference Te Tohutoro: 22/1625878

Presenter(s) Te Kaipāhō: Shelley Washington, Zone Facilitator
shelley.washington@ecan.govt.nz

1. Purpose of Report Te Pūtake Pūrongo

- 1.1 The purpose of this report is to provide the Christchurch West Melton Water Management Zone Committee with a reminder of the terms of reference, membership, and progress of actions of the Cashmere Stream and Port Hills Working Group (Working Group) of the Zone Committee.
- 1.2 For the Committee to be reminded of the sediment workshop that was jointly held by the Ōpāwaho Heathcote River Network (OHRN) and Working Group on 26 July 2022.
- 1.3 For the Committee to be briefed by Chrissie Williams, a representative of OHRN on the literature and information review conducted by the Network since the workshop and the Network's suggested actions for what is needed next.
- 1.4 To discuss whether to continue the Cashmere Stream and Port Hills Working Group. If the Committee decides to continue the working group, to decide whether or not to consider changing its scope, terms of reference and membership, and when and how to do this.

2. Officer Recommendations Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the To receive the background information on the status of the existing Cashmere Stream and Port Hills Working Group of the Christchurch West Melton Water Zone Committee.
2. To receive the information and suggested next actions from the Ōpāwaho Heathcote River Network. This results from the Network considering the knowledge shared at the joint July 2022 Ōpāwaho Heathcote River Network and Cashmere Stream and Port Hills Working Group sediment workshop and a literature and information review conducted afterwards.
3. Strengthens the effectiveness of the Cashmere Stream and Port Hills Working Group by:
 - a. Broadening its scope to the 5 main catchments in Christchurch.
 - b. Recognise the priority catchment remains the Ōpāwaho/Heathcote River due to the scale of the problem in this catchment resulting from the catchment including the steep loess soils of the Port Hills.
 - c. Refining its terms of reference.
 - d. Strengthening its leadership and collaborative membership.
4. Engage with the Banks Peninsula Water Zone Committee to seek to collaborate with them on improving erosion and sediment control.
5. Liaise with Christchurch City Council on the development and implementation of their Programme for Stormwater Port Hills and Lyttelton Harbour Erosion and Sediment. The budget for this programme begins in 2022-2023 and continues to 2030-2031, increasing gradually every year, totalling \$9 Million over 10 years.

3. Report Te Pūrongo

3.1 Overview of sediment workshop, 26 July 2022

3.1.1 On 26 July 2022, OHRN and the Working Group jointly held a sediment workshop at South Library in Beckenham. This happened to be one of the wettest nights ever in Christchurch. The purpose was to initiate and host a conversation around erosion and sediment from the community perspective. It included:

- Context by Annabelle Hasselman, Chair Ōpāwaho Heathcote River Network and Chair Christchurch West Melton Zone Committee
- Sediment and water clarity context in Cashmere Catchment by Ken Rouse, Chair Cashmere Stream Care Group
- Presentation about desktop study of how to identify specific erosion risk areas using desktop data such as LIDAR, Ognjen Mojsilovic, Environment Canterbury
- Presentation about how the Christchurch Adventure Park is managing erosion and sediment control, Charlie Lyons, Christchurch Adventure Park
- Brainstorming session to identify potential collaborative next steps for Christchurch Adventure Park and also the bigger picture of Cashmere Catchment and Port Hills

3.2 Key points from Sediment Workshop:

- Clarity continues to decrease in Cashmere Stream.
- The desktop study will be useful to several organisations, but needs ground truthing (rainy day inventory can provide this) and it would be good to update it with the new LIDAR data.
- Christchurch Adventure Park (CAP) takes the issue of erosion and sediment control seriously and acknowledges the significant challenges it has at the park, but is making good progress and is open to ideas and support. Park staff wish to develop a 15 year plan for dealing with erosion and sediment.
- Brainstormed a number of ideas for how to support CAP.
- CAP plans to re-batter stream banks in village area and plant with natives.
- Value in sharing ideas with CCC Port Hills park staff about erosion control, revegetation and grassland maintenance.
- Ideas for careful and strategic logging.
- Work with landowners to test and document different grazing methods and techniques in revegetation that are likely to have the best long term erosion control results.
- Explore opportunities provided by the Christchurch City Council Programme for Stormwater Port Hills and Lyttelton Harbour Erosion and Sediment – budget for capital works etc. Managed by Matt Jackson.
- Put pressure on central government to give Councils teeth through the Natural & Built Environments Bill to limit development of easily eroded hills.
- Retention ponds established and being established – trapping sediment. Vegetation. Potentially explore opportunity for flocculent use.

3.3 Overview of current Cashmere Stream and Port Hills Working Group

- 3.3.1 The Working Group was established by the Christchurch West Melton Zone Committee at its meeting on 27 February 2020.
- 3.3.2 The clarity in Cashmere Stream is continuing to decrease. Key sources of sediment and issues from the Port Hills include: clear-fell exotic forestry clearance; recreation tracks; stock access; stream cleaning to remove weeds for flood control; impact of fires; eight new subdivisions; and the Christchurch Adventure Park.
- 3.3.3 At a workshop held by the Zone Committee in October 2019, speakers emphasised that a lot of knowledge exists, but not enough action was being undertaken to adequately reduce sediment sources. Adequate knowledge exists about which tributaries contribute the most sediment but not the exact locations where intervention/action would be “best bang for buck” to reduce sediment getting to the stream.
- 3.3.4 It is also acknowledged that there will always be some erosion and sediment sources, and impacts from many land uses had improved over the decades.
- 3.3.5 The working group’s most recent meeting was on 8 June 2021 and the group agreed it would meet again once significant progress had been made on its two highest priority actions – LIDAR desktop study and rainy day inventory. The group met again for the sediment workshop that was jointly held with OHRN on 26 July 2022. It has also had combined meetings with the Zone Committee such as in April and May 2021 where the following topics were covered: Christchurch Adventure Park, forestry, district plan provisions, (April) and Christchurch City Council Cashmere Stream Enhancement Project (May).

3.4 Logical topics for the next meeting of the working group could include:

- Report back on sediment workshop and next steps. Discussion. Any steps working group wishes to help with.
- Update on LIDAR desktop study project
- Update on Rainy Day Inventory
- Emily Heights intro and update
- Aglaia Place intro and update
- Potential field trip to Worsleys Valley subdivision

3.5 Purpose

3.5.1 The purpose of the Working Group is to:

- Identify priority actions to be progressed during 2020 to:
- raise awareness of the issue;
- improve the current management; and
- Oversee and help with implementation of the actions identified.

3.5.2 Outcome: By December 2020, the Working Group has delivered their prioritised actions and have increase awareness of the issues across organisations and the community and/or improved current management.

3.6 Membership

- 3.6.1 The Working Group comprises of up to three Zone Committee members, two members from the Cashmere Stream Care Group, three members of the Ōpāwaho Heathcote River Network and one member from each of the Spreydon-Cashmere and Halswell-Hornby-Riccarton Community Boards.
- 3.6.2 The Zone Committee, Cashmere Stream Care Group, and Ōpāwaho Heathcote River Network Group and the Community Boards are to determine who will be involved.
- 3.6.3 Other groups and people may be invited as required, depending on actions being discussed/addressed.
- 3.7 **Recent membership:**
- 3.7.1 Zone Committee: Annabelle Hasselman, Arapata Reuben, Mike Patchett. Cr Phil Clearwater was until he ceased being the ECan Council representative on Committee. (Oscar Bloom has resigned from this working group).
- 3.7.2 Cashmere Stream Care Group: Ken Rouse, Robin Smith.
- 3.7.3 Ōpāwaho Heathcote River Network: Annabelle Hasselman, Alisdair Hutchison, Sally Coates, Daniel Collins
- 3.7.4 Community Boards: Lee Sampson, Mike Mora.
- 3.8 **Highest priority action:**
- Strategic action: identification of priority areas.**
- 3.8.1 This comprises two approaches – identifying areas that are “best bang for buck” for intervention using LIDAR and other data/GIS; and ground truthing/physical identification of erosion and sources of sediment during or soon after significant rainfall (referred to as the “rainy day inventory”).
- 3.8.2 Progress:
- The desktop work has been done. Next steps are to groundtruth it via the rainy day inventory and also update the maps using the new LIDAR data and share with CCC and Christchurch Adventure Park.
 - The Rainy Day Inventory has been organised and there are approximately 40 people willing to help. Training has been provided. Jess Newlands is coordinating this project. Awaiting sufficient rainfall forecast to be able to go ahead.
- 3.8.3 The resulting steps for the Working Group would be to consider the results of the desktop work and rainy day inventory. Then to assist with finding interventions, working with landowners, and considering options for finding/applying for funding/resources to help incentivise/support interventions where required.

Attachments Ngā Tāpirihanga

No.	Title	Reference	Page
A	Attachment further information actions Working Group 24 November 2022	22/1626077	22
B	Attachment TOR for Cashmere Stream and Port Hills Working Group March 2020	22/1626045	25

Attachment: Further information on the rest of the actions of the Cashmere Stream and Port Hills Working Group

Other ongoing actions

Worsleys Road subdivision ineffective stormwater management (Aglia Place). Jess Newland has visited the site and sent queries to CCC. Jo Carlton and Clive Appleton have visited the site. CCC has undertaken maintenance of infrastructure in October. CCC and Ecan are preparing a joint update on the matter for Ken Rouse and this will be shared with the Working Group when it meets next.

Christchurch Adventure Park. Ongoing compliance checks and the Park is progressing a variety of improvements in the park to improve erosion and sediment control. Park staff have been willing to share their progress and challenges and open to ideas and support.

Forestry. Ecan no longer has a full-time dedicated forestry compliance staff member. An update of Moepuku Forestry afforestation to be provided to working group (for interest) once available.

District Plan. A presentation by Mark Stevenson (Christchurch City Council Team Leader City Planning) about current District Plan provisions was provided on 29 April 2021 to the Working Group and Zone Committee at the Zone Committee meeting. Presentation slides sent out. In summary, there is not much further subdivisions that can take place on hills in Cashmere Catchment or the Port Hills, because the RPS defines the existing urban area and further subdivisions must be within existing defined urban area. There is more that can be developed on flat land. The National Policy Statement on Urban Development 2020 is a concern as it increases pressure on Territorial Authorities to enable growth and consider re-zoning, and landowners can request private plan changes (notified). However, CCC sees this at odds with the RPS and District Plan and is trying to resist this pressure. Link to new Policy Statement on Urban Development that came into effect August 2020 <https://www.mfe.govt.nz/about-national-policy-statement-urban-development> Working Group request at 8 June 2021 meeting: that Zone Committee consider this issue when the District Plan is next being updated. Ecan will be reviewing and updating the RPS before 2024 so that is also an opportunity for the Zone Committee to influence.

Signage. Recommend to CCC and ECan that small basic signs be developed and placed at key locations on sites on residential streets on the Port Hills to educate residents on flora and fauna associated with the river, the story that water clarity limits are essential to the long term survival of these creatures and what they should and shouldn't expect to see in terms of erosion and sediment control on small sites and the number/app to use to report this. This will enable compliance staff to take action and also help drive individual homeowner and industrial responsibility. Joint venture with CCC to develop and install educational facts and story boards along tributaries and the Mainstem of the Cashmere and Opawaho Heathcote streams where members of the public walk and congregate. This is particularly needed in new subdivisions of which there are 6 in the Cashmere catchment. this opportunity to educate will help ensure that new residents also become guardians of the streams.

The Working Group ran a trial of signs in Cashmere catchment and Mt Pleasant to encourage public to report sediment. However, during the trial it did not rain much so there was no noticeable increase in reports to councils.

CCC committed to placing signage for sediment basins etc and amenable to continuing work with ZC and working group on this

Convey the issues to the public. The Committee supports Cashmere Stream Care Group and Ōpāwaho Heathcote River Network with work to convey the problem to the public. This may include using the Committee webpage and social media from the committee and other mechanism jointly identified. Support from Comms ongoing. CCC is developing a behaviour change programme and they have identified erosion and sediment as their top priority for this and it is likely to include a range of methods to improve practice by industry and raise awareness with the public.

Completed/nearly complete actions

Operational Action: Compliance priority. Recommend to ECan and CCC that the Cashmere Stream and the Port Hills becomes a compliance priority. Both Councils' senior management have said a commitment has been made to this compliance priority.

Worsley Paper Road. Recommend to CCC that: The eroded parts be reshaped and surfaced; It be closed permanently to public vehicles; and cut off drains and planted swales be created in key locations. CCC has done some of this work. Closed to public vehicles but unsure status of becoming a permanent closure.

Erosion and sediment control management and training. Recommendations made. Both councils jointly provide training. Joint Councillor working group established also.

Learning from experts. Recommendations made to council. Councils continue to actively seek advice from other councils especially Auckland. ECan staff are working with staff from other councils in New Zealand on the idea of setting up a nation-wide group to share expertise on the topic.

Workshop and Video on the publication "Water clarity of Cashmere Stream Catchment". Video Completed and various parties asked to share it. Presentation by Ken Rouse included in July 2022 sediment workshop.

Public **walkways** along Cashmere Stream. Advocacy. Completed. CCC has done this. 4km of new walkways opening on 18 November 2024 and this will be increased to 14km.

A number of other working group actions have also been completed that related to CCC's land drainage works in the catchment.

A number of recommendations the Working Group developed were made to CCC and ECan via reports, deputations and early LTP input during 2020 by the Zone Committee, with support from Ken Rouse and Annabelle Hasselman.

The Working Group's recommendations to CCC and ECan were re-capped at the Zone Committee's October 2020 meeting. In summary they were:

- That Christchurch West Melton Zone Committee, Christchurch City Council and Environment Canterbury work with central government funding agencies to make resources available to work with Landowners and to provide support and incentives for management of sediment at source
- That Christchurch City Council and Environment Canterbury spatially identify high risk areas to focus priority actions for management of sediment at source:
- That Christchurch City Council and Environment Canterbury set up a joint team of capable staff to specialise in Erosion and Sediment Control to ensure effective and consistent processes across both Councils. This would be established on a long-term basis.
- That Christchurch West Melton Zone Committee, Christchurch City Council and Environment Canterbury work with BCITO and industry groups to improve industry focus and capability in ESC.

Cashmere Stream and Port Hills Working Group

Terms of Reference

Introduction

The clarity in Cashmere Stream is continuing to decrease. Key sources and issues from the Port Hills include: clear-fell exotic forestry clearance; recreation tracks; stock access; stream cleaning to remove weeds for flood control; impact of fires; eight new subdivisions; and the Adventure Park.

At a workshop held by the Zone Committee in October 2019, speakers emphasised that a lot of knowledge exists, but not enough action was being undertaken to adequately reduce sediment sources.

It was however also acknowledged that there will always be some erosion and sediment sources, and impacts had improved over the decades.

Scope of location for meetings of the Working Group

The Working Groups focus is the Cashmere Stream and the areas of the Port Hills that drain into the cashmere stream as shown in the Attached Map.

The Working Groups will focus on action relevant to the area in the Attached Map. However, where actions can benefit the wider Ōpāwaho Heathcote River catchment the delivery of the actions throughout the Ōpāwaho Heathcote River catchment will be considered.

Establishment and disbandment

The Working Group was established by the Christchurch West Melton Zone Committee at its meeting on 27 February 2020.

The Working Group will cease in December 2020, unless an extension to their work is agreed with the Christchurch West Melton Zone Committee.

Membership

The Working Group comprises of up to three Zone Committee members, two members from the Cashmere Stream Care Group, three members of the Ōpāwaho Heathcote River Network and one member from each of the Spreydon-Cashmere and Halswell-Hornby-Riccarton Community Boards.

The Zone Committee, Cashmere Stream Care Group, and Ōpāwaho Heathcote River Network Group and the Community Boards are to determine who will be involved.

Other groups and people may be invited as required, depending on actions being discussed/addressed.

Meetings

Meeting will be held monthly at the South Library between 6 and 8pm on a Tuesday.

Purpose

The purpose of the Working Group is to:

- a. Identify priority actions to be progressed during 2020 to:
 - i. raise awareness of the issue;
 - ii. improve the current management; and
- b. Oversee and help with implementation of the actions identified.

Outcome

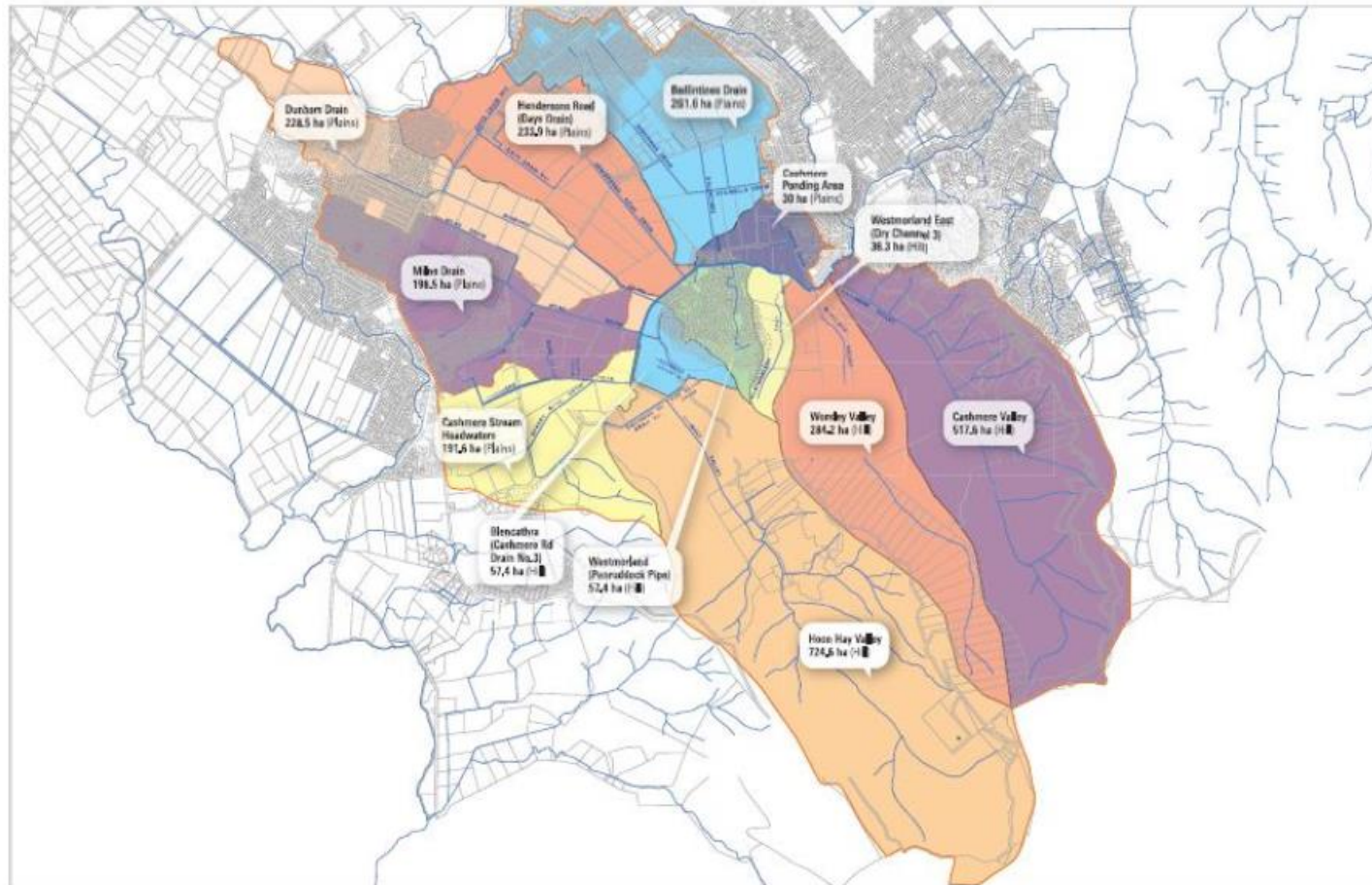
By December 2020, the Working Group has delivered their prioritised actions and have increase awareness of the issues across organisations and the community and/or improved current management.

Role and responsibilities

The Working Group will:

1. Identify priority actions to be progressed in 2020;
2. Recommend the actions to the Christchurch West Melton Zone Committee for endorsement;
3. Oversee and assist with implementation of the actions; and
4. Report progress on actions to the Christchurch West Melton Zone Committee and Community Boards.

Note: This map is to be undated to show rest of Port Hills



12. Ngā Puna Wai, Restoring the mauri of urban freshwater springs: Cashmere Stream and Ōpāwaho Heathcote River headwaters.

Reference Te Tohutoro: 22/1626336

Presenter(s) Te Kaipāhō: Rachel Barker, rachelmarybarker@gmail.com

1. Purpose of Report Te Pūtake Pūrongo

- 1.1 The purpose of this report is to provide the Christchurch West Melton Water Management Zone Committee with an opportunity to be updated by the Ōpāwaho Heathcote River Network on the progress of the project: Ngā Puna Wai, Restoring the mauri of urban freshwater springs: Cashmere Stream and Ōpāwaho Heathcote River headwaters. Stage 1 of this project received \$6,000 of budget from the CWMS Action Plan Budget in 2021-2022.

2. Officer Recommendations Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the report from the Ōpāwaho Heathcote River Network on the progress of the project: Ngā Puna Wai, Restoring the mauri of urban freshwater springs: Cashmere Stream and Ōpāwaho Heathcote River headwaters.

3. Report Te Pūrongo

- 3.1 During 2021-2022, the Zone Committee recommended \$6,000 of the CWMS Action Plan Budget be allocated to stage 1 of this project, for a literature review to help understand the issues better.
- 3.2 The Ōpāwaho Heathcote River Network (OHRN) has identified a lack of understanding about the importance of urban freshwater springs, their interaction with groundwater, and their value to mana whenua. Urban springs are under natural and human-induced pressures including impacts from climate change.
- 3.3 OHRN brought these concerns to the Christchurch West Melton Water Zone Committee in early 2022. OHRN selected a Waterways Centre for Freshwater Management ex Masters Student, Brittany Earl, to complete a report on freshwater springs.
- 3.4 The objective for the freshwater springs literature review is to help understand natural and human pressures on freshwater springs and how to mitigate these.
- 3.5 The spring's literature review report is in two parts. Part A addresses freshwater springs in general, and Part B is a focus on the headwater springs in the Cashmere Stream and the Ōpāwaho Heathcote River in Ōtautahi Christchurch.
- 3.6 Part A covers spring hydrogeology - the processes that bring the groundwater to the surface in the context of Canterbury geology. This is to help increase community understanding about the headwater springs of the Cashmere Stream and Ōpāwaho Heathcote River. Part A also covers other aspects of spring values, including importance to mana whenua, biodiversity and ecology, cultural values, and natural and human pressures on springs, with some examples of springs protected in Aotearoa New Zealand.

- 3.7 Part B covers the past history of Ōtautahi Christchurch wetlands and springs, and focuses on the Ōpāwaho headwaters and the health of their springs. The review addresses local council processes in relation to springs.
- 3.8 The report is currently in draft as it is being peer reviewed. It will be available for circulation in early 2023. For further information about OHRN, please visit ohrn.nz.

Attachments Ngā Tāpirihanga

There are no attachments to this report.

13. Develop early input to Councils' Annual Plans for 2022-2023

Reference Te Tohutoro: 22/1626204

Presenter(s) Te Kaipāhō: Shelley Washington, Zone Facilitator
shelley.washington@ecan.govt.nz

1. Purpose of Report Te Pūtake Pūrongo

- 1.1 The purpose of this report is to provide the Christchurch West Melton Water Management Zone Committee with an opportunity to consider providing early input to the annual plans of any or all of these Councils: Christchurch City Council, Selwyn District Council, and Environment Canterbury.

2. Officer Recommendations Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Provides the following early annual plan input to the Christchurch City Council, Selwyn District Council, and Environment Canterbury.

3. Report Te Pūrongo

- 3.1 Councils plan their work programmes and budgets via long term plans for ten years that are reviewed and updated every three years. Annual plans are for making annual adjustments to work programmes and budgets. Councils begin preparing their annual plans around November. To have influence on annual plans it is better to provide that input during the early stages rather than once already drafted. Committees can also make comments via a letter or memo on draft annual plans once they are available for public consultation. Individuals can make submissions.
- 3.2 It is recommended that early annual plan input relate closely to the Committee's current action plan and that a small number of items are requested as new work programmes or budgets, for increases or keeping what is already planned. The Council representatives of the Council can be tasked by the Committee to advocate for these items during their respective Council deliberations about the annual plan.

Attachments Ngā Tāpirihanga

No.	Title	Reference	Page
A	Attachment ChChWMZC input to Christchurch City Council annual plan 2021-2022	22/1626018	32

**Christchurch West Melton Water Zone Committee input to Christchurch City Council
annual plan, 2021-2022**

Improving Erosion and sediment control

- Continue participation on the Cashmere Catchment and Port Hills Working Group of the Zone Committee and support its recommendations, including identifying specific locations of sources of sediment on the hills and finding solutions.
- Increase the programmes for building capacity within development and building industries for erosion and sediment control and stormwater management, including the creation of at least two erosion and sediment control monitoring, education and enforcement officers.
- Promote and incentivise Water Sensitive Urban Design, including household rainwater tanks.

Enhancing waterways and catchment ecosystem health

- Reduce the frequency and mass load of sewage overflows with improved sewage infrastructure.
- Continue to plan and construct stormwater retention basins to trap stormwater contaminants before they reach waterways.
- Continue to advocate for national reforms to standards of vehicle brake pads and roofing material to reduce copper and zinc contaminants in stormwater.
- Quantify and mitigate the predicted increasing nutrient contaminants in groundwater supply springheads to wetlands and waterway.
- Collate and publicly report the projected impacts of a changing climate to wetland and waterways and develop practical advice on cost effective adaptation actions for both government and the community.

Public health and water

- Map and better control sources of faecal coliforms to our waterways to improve swimmability/water contact and reduce risks to public health.
- Continue to advocate for better research, risk assessments and remedial actions concerning the risk of Colorectal Cancer with drinking water supplies.

Supporting community action for healthy waterways

- Provide increased technical and financial support to community catchment care/waterway groups to undertake waterway and catchment restoration and projects.
- Maintain and increase support for the effective development of the Community Waterways Partnership.

14. Facilitators Update – 24 November 2022

Reference Te Tohutoro: 22/1626608

Presenter(s) Te Kaipāhō: Shelley Washington, Zone Facilitator
shelley.washington@ecan.govt.nz

1. Purpose of Report Te Pūtake Pūrongo

- 1.1 The purpose of this report is to provide the Christchurch West Melton Water Management Zone Committee with information on the community engagement events/relevant updates and actions from previous meetings.

2. Officer Recommendations Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the Facilitators report.
2. Has a workshop in early 2023 to focus on next steps for the Stormwater Superhero awareness campaign and use of trailer by committee.

3. Report Te Pūrongo

3.1 Report

Important Zone Committee/CWMS updates

3.2 Appointment of new Zone Committee members

- 3.2.1 We will have new Council representatives once the three councils have had their meeting to appoint who they would like on the Zone Committee(s).

3.3 Hui for Central Zone Committees

- 3.3.1 We plan to hold a hui of four central zone committees (Banks Peninsula, Christchurch West Melton, Selwyn Waihora, Ashburton) in late January/early February, along with holding similar hui for the southern committees and the northern committees. A large focus of this hui will be an update about the process for developing an integrated framework for Waitaha (new regional plan, coastal plan and regional policy statement) and how zone committees may be involved. It will be also an opportunity to share ideas and experiences between these committees.

- 3.3.2 We may also cover the following:

- The basics – roles of chair vs deputy vs secretary vs facilitator
- Sharing completed actions and opportunities that may be of interest to all three committees
- Sharing examples of how Zone Committees are fulfilling their purpose and roles and implementing their action plans
- 3 Waters update

- 3.3.3 The workshop is aimed at Chairs, Deputies and new members, however all committee members are invited and welcome.

3.4 **Upcoming events**

3.4.1 All environmental themed events are encouraged to put information about their events on the eco-calendar on the Christchurch Envirohub website. To find out about events coming up or add your own event please go to:

3.4.2 <https://www.chchenvirohub.org/eco-calendar/>

3.5 **Recent Events**

3.5.1 Christchurch Envirohub and other organisations have taken the Stormwater Superhero trailer to several locations such as Dressmart Hornby, Richmond Community Fair, Ashburton A&P show, Pioneer Pool, and Mitre 10.

3.6 **Update on CWMS Action Plan Budget 2021-2022**

3.6.1 Recipients/projects are required to send a mid project progress report by end November 2022. As projects are completed, they will be asked to provide end project reports and may be requested to give the Zone Committee a presentation.

3.7 **Update on CWMS Action Plan Budget 2022-2023**

3.7.1 All recipients that will get grants have finalised signed grant agreements and almost all have already invoiced Environment Canterbury. The remaining budget to be allocated is \$5,000, ideally at the February 2023 meeting.

3.8 **Update on Stormwater Superhero Awards**

3.8.1 Three businesses entered. The panel comprised Annabelle Hasselman, Mike Patchett, Jess Newlands and Shelley Washington. The panel visited the entrants in mid-October and have identified the winners and have been creating the certificate and awards. These will be presented at this 24 November 2022 meeting. Following this the media articles and social media will be released.

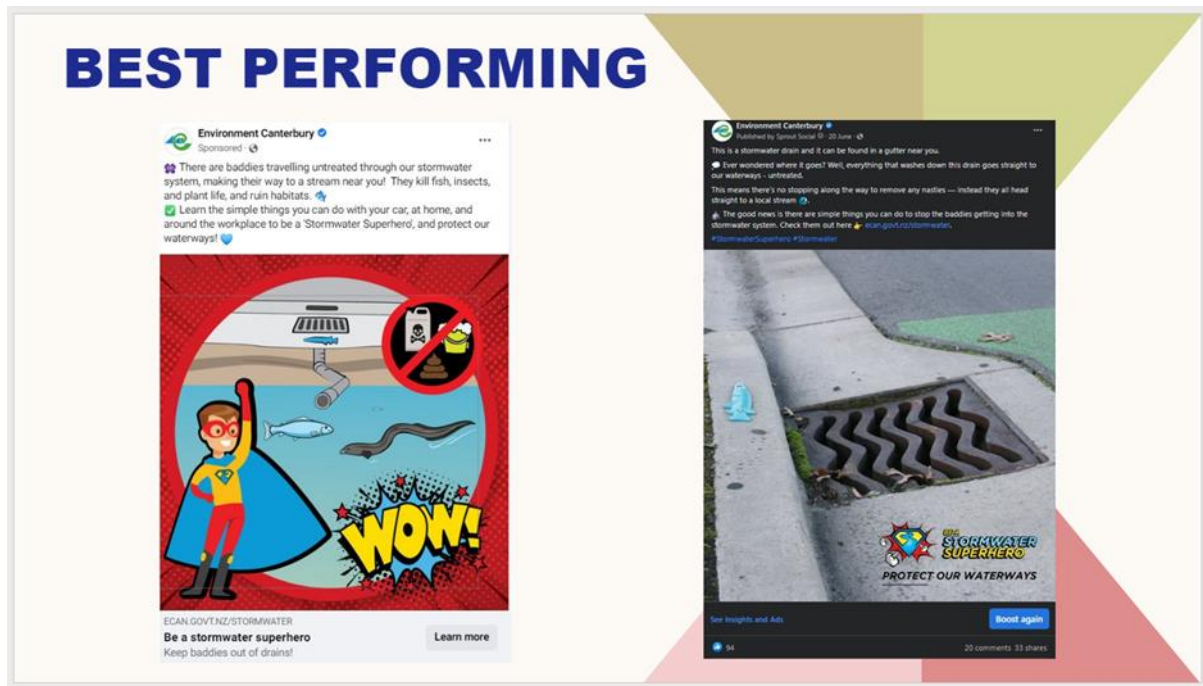
3.9 **Update on Stormwater Superhero awareness campaign**

3.10

3.10.1 The next key step is for Zone Committee members to give presentations to community groups of their choice. Shelley can provide you with a PowerPoint presentation on a USB stick and a set of brochures and a T-shirt to wear.

3.10.2 Annabelle Hasselman, Mike Patchett, Shelley Washington, Heather McCarron, Ian Letham and Jackie Curtis met in early November to discuss how the campaign had gone. Overall it was felt it went well. A future improvement would be greater engagement of community groups so they share the key messages on their social media, rather than most of that being an Environment Canterbury social media platform.

3.10.3 Communications staff have shared the data on reach achieved by each social media post. Below are the two most successful posts. This demonstrated that viewers may have preferred the posts that were about the central fundamental message about stormwater, rather than specific messages about positive behaviours to adopt.



- 3.10.4 Communications staff will follow up on an opportunity to get a story on an evening current affairs television programme. Further Stormwater Superhero characters have been created by creative staff so there is greater diversity in the imagery used in the future.
- 3.10.5 Christchurch Envirohub staff, Shelley Washington and communications staff will meet to discuss potential improvements to the Stormwater Superhero brochure based on feedback from Jenny Bond who has been using the trailer the most.
- 3.10.6 Christchurch City Council and Environment Canterbury staff are working on how to continue funding the facilitation, maintenance and collateral of/for the Stormwater Superhero trailer. An evaluation programme has been developed and each time the trailer is used data is being collected so that after the one year pilot is complete there will be useful information on the usefulness of the trailer and potential improvements for how it is facilitated and the trailer itself.
- 3.10.7 Shelley Washington will look into purchasing some wheelie bin clips as give aways to people who visit the trailer, who live in windy areas.
- 3.10.8 The Zone Committee will have a workshop in early 2023 to discuss next steps for stormwater engagement.
- 3.11 **Ministry For the Environment staff meeting about zinc and copper contamination with Christchurch City Council and Environment Canterbury staff**
- 3.11.1 To follow up the letters that Christchurch City Council and Environment Canterbury have sent central government about needing them to work on tools/mechanisms to reduce zinc and copper contamination in urban water, staff have had a first meeting. The Zone Committee recommend these letters be sent.
- 3.11.2 It was held on 17 October, via an online meeting. It was attended by four staff from Ministry for the Environment, three Christchurch City Council staff attended (Paul Dickson, Kevin McDonnell, Diane Shelander) and one from Environment Canterbury (Shelley Washington).

- 3.11.3 Those present at the meeting are keen to meet again, hopefully in person in Christchurch. It was discussed that this could be in early 2023 and include relevant Directors. The key focus would be discussion that leads to MFE staff being able to brief any in-coming Ministers later in the year and to inform their business planning processes mid-year.
- 3.11.4 For MFE, their key point is that before a work programme like this can be progressed, the most immediate first step is to demonstrate the need or the problem to be solved and why it's important. Then they need to advise Ministers on why we need to address this problem and how they intend to do that.
- 3.11.5 Paul Dickson shared some of the key points from Christchurch City Council's science and modelling and will provide this to Ministry for the Environment.
- 3.11.6 The MFE urban water team, who look after the urban water portfolio, has been mostly focussed on updating the National Environmental Standard for Sources of Human Drinking Water. When this work tapers off, they will reassess their work programme and could increase their focus on zinc and copper. To achieve this they will need to persuade their senior leadership and Ministers. Conversations like the meeting in October will help with this.
- 3.11.7 Things local government can do to help MFE build the case and profile with Ministers for greater effort by central government include: evidence on the size of the problem (e.g. acute thresholds, wet weather monitoring data); evidence that local government has barriers to controlling it that they cannot overcome; costs local government is incurring as a result of having to update treatment options or the impacts on ecosystem health; the cost of the status quo; and what other stakeholders need to be involved.
- 3.11.8 MFE recognises that local authorities may not have the tools to meet national direction objectives for copper and zinc, and that this is frustrating for local government.
- 3.11.9 MFE are aware of the Building Act and s18 was one of the barriers that might prevent councils imposing stricter standards through regional planning on building materials.
- 3.11.10 Central government may already have the right regulating making powers under the Waste Minimisation Act for copper and zinc materials. This was used for the recent banning of some single use plastic items but it took a lot of work to get to that point. Price signals are another mechanism central government could look into. Central government will also need to do impact analysis as part of exploring any new policies and other mechanisms.
- 3.11.11 CCC and ECan staff made the point that it will be very difficult to educate every car owner to ask for a brake pad that doesn't have copper in it, and that mechanisms to achieve the outcome more efficiently require several government ministries to develop these.
- 3.11.12 Environment Canterbury and Christchurch City Council and Auckland Council are working with NIWA to look into the potential for them to do research that will provide up to date information on chronic and acute toxicity thresholds which will be very useful for assessing the problem.
- 3.11.13 There has also been interest from Wellington Council on collaborating for advocacy to central government, and staff from that Council are keeping in touch with Christchurch City Council and Environment Canterbury. Auckland Council is also collaborating.

3.12 **Oct-Nov 2022 communications report**

- Prepared by: Hayley Lilley, Principal Communications and Engagement Advisor, Environment Canterbury

3.13 This report provides an overview of communication and engagement activity completed by Environment Canterbury communications and engagement staff (and contracted communications professionals). Normal channels used include:

- Environment Canterbury website and Facebook
- Christchurch City Council channels
- Local Water Zone email newsletter (through Environment Canterbury)
- Local print media (where applicable)

Date	Content	Overview
October	We began working on content updates to the CHWM zone webpages on ECan's website	<ul style="list-style-type: none"> This will include updating the WZC webpage currently named 'Meet your zone representatives' The webpages will be reorganised in line with the changes recently made to the Kaikōura zone pages – these changes are being gradually rolled out across all the zones' webpages
	We began delivering letters to plastics manufacturers in Christchurch, encouraging them to check their site practices regarding potential 'nurdle' pollution in the estuary	<ul style="list-style-type: none"> This Stuff story has background information on the issue We will follow up with site visits and encourage participation in Operation Clean Sweep to ensure best practice
November	Comms following the Stormwater Superhero Awards on 25 November	<ul style="list-style-type: none"> News story and social media post
	Ongoing work on content updates to the CHWM zone webpages on ECan's website	<ul style="list-style-type: none"> As above

Regional content:

- Nathan Dougherty (Incident Response Officer for CHWM) is the first to feature in our 'What I do' campaign. This involves brief videos posted on ECan's Facebook page, profiling various staff members. The video is currently in its 'draft' form and we're just waiting for feedback from our digital team. The video should be ready to post by the end of November.
- Other recent news stories from ECan that may be of interest:
 - [Councillors elect Peter Scott as Chair for new term](#)
 - [Illegal rubbish pits a growing problem](#)
 - [Enjoy Get Outdoors Week 2022 with our Regional Ranger Challenges](#)
 - [Planning is paramount with new intensive winter grazing rules](#)

Planned communication activity:

- Aiming to send out another CHWM WZC newsletter before the end of the year.

Attachments Ngā Tāpirihanga

There are no attachments to this report.

15. Other Matters

This item provides an opportunity to discuss other matters of note.

Karakia Whakamutunga

Karakia Whakamutunga

Closing Prayer

Unuhia, unuhia Unuhia ki te uru tapu nui Kia wātea, kia māmā te ngākau, te tīnana, te wairua i te ara tangata Koia rā e Rongo, whakairia ake ki runa Kia tina! TINA! Hui ē! TĀIKI Ē!	<i>English translation</i> Draw on, draw on, Draw on the supreme sacredness To clear, to free the heart, the body and the spirit of mankind Rongo, suspended high above us (in ‘heaven’) Draw together! Affirm!
---	---

Karakia mō te kai

Prayers for food

Nau mai e ngā hua O te wao O te ngakina O te wai tai O te wai Māori Nā Tāne Nā Rongo Nā Tangaroa Nā Maru Ko Ranginui e tū iho nei Ko Papatūānuku e takoto nei Tūturu whakamaui ki a tina Tina, haumi ē, hui ē Tāiki ē E Rongo, e Rongo Hōmai ngā tipu Hei whakakī i te tīnana Hei oranga Au eke, au eke Hui ē, tāiki ē!	<i>English translation</i> Welcome the gifts of food From the sacred forests From the cultivated gardens From the sea From the fresh water The food of Tāne Of Rongo Of Tangaroa Of Maru I acknowledge Ranginui above me Papatūānuku who lies beneath me Let this be my commitment to all Draw together Affirm! Rongo, Rongo Give us the foods, with which to fill the body, and have health That I may ascend Affirm!
--	---