
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 22 March 2018
Time: 6pm
Venue: Environment Canterbury,
200 Tuam Street

Membership

Chairperson	Arapata Reuben - Tūāhuriri Rūnanga
Deputy Chairperson	Lance Kenyon - Community Representative
Members	Kevin Brown - Community Representative
	Helen Caley - Community Representative
	Gareth Oddy - Community Representative
	Carly Sluys - Community Representative
	Robert Wynn-Williams - Community Representative
	Suzanne Furkert - Community Representative
	Councillor Pauline Cotter - Christchurch City Council
	Councillor Tom Lambie - Environment Canterbury
	Councillor Debra Hasson - Selwyn District Council
	Herewini Banks - Te Hapū o Ngāti Wheke/Rapaki
	Les Wanhalla - Te Taumutu Rūnanga

If you require access to the ECan building after 6pm, please contact the Zone Facilitator, Shelley Washington on 027 294 5219

14 March 2018

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

Zone Facilitator
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Environment Canterbury

Committee Advisor
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1. Apologies

An apology has been received from Robert Wynn-Williams.

2. Confirmation of Previous Minutes

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on [Thursday, 22 February 2018](#) be confirmed (refer page 5).

3. Matters Arising from the Minutes

4. Deputations by Appointment

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

5. Identification of Urgent Items

6. Identification of General Public Contributions

Christchurch West Melton Water Management Zone Committee OPEN MINUTES

Date: Thursday 22 February 2018
Time: 6pm
Venue: Environment Canterbury,
200 Tuam Street

Present

Chairperson	Arapata Reuben - Tūāhuriri Rūnanga
Deputy Chairperson	Lance Kenyon - Community Representative
Members	Kevin Brown - Community Representative
	Helen Caley - Community Representative
	Gareth Oddy - Community Representative
	Carly Sluys - Community Representative
	Robert Wynn-Williams - Community Representative
	Suzanne Furkert - Community Representative
	Councillor Pauline Cotter - Christchurch City Council – departed 8.20pm
	Councillor Tom Lambie - Environment Canterbury
	Councillor Debra Hasson - Selwyn District Council
	Herewini Banks - Te Hapū o Ngāti Wheke/Rapaki
	Les Wanhalla - Te Taumutu Rūnanga

27 February 2018

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Committee Advisor
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www.ccc.govt.nz

Item 2 - Minutes of Previous Meeting 22/02/2018

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www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx

Peter Ramsden opened the meeting with a Karakia/Timatanga.

The agenda was dealt with in the following order.

1. Apologies

There were no apologies.

2. Confirmation of Previous Minutes

Committee Resolved CWZC/2018/00001

Committee Decision

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on Thursday, 23 November 2017 be confirmed, subject to the following addition:

- Item 10, include Suzanne Furkert in the list of attendees to the symposium at Lincoln University.

Member Wanhalla/Councillor Cotter

Carried

3. Matters Arising from the Minutes

Proposed Community Water Partnership (Item 11)

The meeting was advised that a letter to the Christchurch City Council and Environment Canterbury regarding copper was nearly completed and ready to be sent to the Council. Committee members will be advised by email when this has occurred.

Use of litter booms (Item 7)

Suzanne Furkert referred to problems with the litter booms in the Ōtākaro/Avon and Ōpawaho/Heathcote Rivers that meant the litter booms were not operating correctly as the gates were locked in the wrong position. She will provide the information to Diane Shelander for follow up.

Public Toilets at the Mahinga Kai Exemplar and Kerrs Reach Sites (Item 7)

Suzanne Furkert supported the placement of public toilets being available at the Mahinga Kai Exemplar and Kerrs Reach sites. The Committee agreed to request a formal response about this matter from the Christchurch City Council Parks Unit to explain the Council's view that it does not meet their Policy, given that Suzanne has read and ground-truthed the Policy, and feels that it does.

Control of Flag Iris (Item 7)

Discussion was held about replanting riverbanks with native plants, rather than grass, after flag iris has been removed. The Zone Committee's view was that will reduce the City Council's ongoing operational costs long-term.

4. Deputations by Appointment

There were no deputations by appointment.

5. Identification of Urgent Items

There were no items of urgent business identified.

6. Identification of General Public Contributions

There were no general public contributions.

7. Working of the Zone Committee 2018

Nominations were called for the positions of Chairperson, Deputy Chairperson and Regional Representative for the Christchurch West Melton Water Management Zone Committee.

Chairperson

Les Wanhalla nominated Arapata Reuben to the position of Chairperson, seconded by Robert Wyn-Williams

Deputy Chairperson

Les Wanhalla nominated Lance Kenyon to the position of Deputy Chairperson, seconded by Herewini Banks

Debra Hasson nominated Suzanne Furkert to the position of Deputy Chairperson, seconded by Kevin Brown

Lance Kenyon was nominated to the position of Deputy Chairperson on a Show of Hands 7-6.

Regional Representative

Debra Hasson nominated Les Wanhalla to the position of Regional representative, seconded by Pauline Cotter.

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Elect:

- Arapata Reuben as Chairperson for 2018
- Lance Kenyon as Deputy Chairperson for 2018
- Les Wanhalla as Regional Representative for 2018

2. Meet at 6pm to 8pm on the last Thursday of the month as set out below:

- 22 February – Environment Canterbury Council Chambers
- 22 March – Environment Canterbury Council Chambers
- 26 April
- 24 May
- 28 June

- 26 July
- 23 August
- 27 September
- 25 October
- 22 November

3. Confirm the Working Groups and membership on those groups for 2018:

GROUP	Current ZC MEMBERS
Urban Contaminants	Cr Pauline Cotter Suzanne Furkert Cr Tom Lambie Helen Caley Gareth Oddy Andrew Congalton (co-opted)
Cashmere Catchment	Ken Rouse – Chair (co-opted) Les Wanhalla Arapata Reuben Lance Kenyon (<i>when possible</i>) Gareth Oddy
Biodiversity & Immediate Steps	Lance Kenyon – Chair Les Wanhalla Cr Tom Lambie Carly Sluys
Communication	Arapata Reuben – Chair Lance Kenyon Herewini Banks
Recreation	Suzanne Furkert – Chair Cr Pauline Cotter Evan Smith (co-opted) Cr Glenn Livingstone (co-opted)
Groundwater & drylands	Kevin Brown Robert Wynn-Williams Helen Caley Carly Sluys Gareth Oddy Cr Tom Lambie Cr Debra Hasson
Community Group liaison	Suzanne Furkert
Regional Committee representative	Les Wanhalla

8. Waimakariri Wells Project Results and Way Forward

Tim Davie and Jason Holland provided the Committee with an overview of the results of the Waimakariri Wells Project. Jason advised that the Waimakariri Zone Committee was working on a Zone Implementation Programme addendum containing recommendations for the zone around water management.

Jason noted an outcome for the Waimakariri Zone Committee was that land and freshwater management in the zone will over time support the maintenance of high quality drinking water from Christchurch aquifers.

He advised that the Waimakariri Zone Committee was keen to involve the Christchurch West Melton Zone Committee with this matter by either continuing to provide them with progress updates about deliberations; or bringing both Zone Committees together when a draft package is evolving and before it is finalised.

Discussion was held about the information received.

Committee Resolved CWZC/2018/00002

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the overview on the Waimakariri Wells Project information.
2. Agree that the Committee wants to be involved in the Waimakariri Zone Committee process.

Councillor Cotter/Member Furkert

Carried

Committee Resolved CWZC/2018/00003

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Agree to receive briefing updates on progress of the Waimakariri Zone Committee deliberations on a Zone Implementation Programme addendum.
2. Request members of the Groundwater/Drylands Working Group participate with the Waimakariri Zone Committee on a draft package for the Zone Implementation Programme addendum as it evolves.
3. Receives briefing papers about the Zone Implementation Programme addendum progress to the full Christchurch West Melton Water Management Zone Committee.

Chairperson Reuben/Member Brown

Carried

9. Regenerate Christchurch Update

Chris Mene, General Manager of Partnerships and Engagement for Regenerate Christchurch, updated the Committee about Regenerate Christchurch and some of the work it has been carrying out. This included a community partnership that Regenerate Christchurch helped set up called the "How Team" in South New Brighton and Southshore. He explained that there would be an exhibition regarding the river corridor and that the Zone Committee would be advised when this would occur.

The Committee referred to the issue that has been raised during meetings about public toilets at Kerrs Reach and on Anzac Drive, the Mahinga Kai Exemplar site.

Committee Resolved CWZC/2018/00004

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Regenerate Christchurch Update report.

Chairperson Reuben/Member Banks

Carried

10. Working Group Update - 22 February 2018

The Working Group update reports were taken as read.

Suzanne Furkert referred to the jetties on the Ōpawaho Heathcote River that were not maintained. She suggested assistance from the City Council in relation to providing informal walking and cycling tracks while the opportunity presented itself because of current work being due, as part of Heathcote Flood Mitigation Options, including bank stabilisation. One particular area noted was Colombo Street at Waimea Terrace.

Committee Resolved CWZC/2018/00005

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Working Group Update report.

Chairperson Reuben/Deputy Chairperson Kenyon

Carried

11. Zone Committee Annual Report 2017

The Committee suggested minor amendments to the Annual Report, as follows:

- Split the Nitrogen from farming – CWM Groundwater Protection Zone story into two, the other is about the Waimakariri Wells Project.
- In the same area as above, add to the final sentence so that it reads “Environment Canterbury will work with zone committees in 2018 to help with the plan process to find a solution.”
- Under the heading Copper brake pads, paragraph 2, second sentence replace “...is to provide...” with “utilising”.
- In the same area as above, add to the final sentence so that it reads “The Committee is recommending to Councils to approach Central Government for a national response to raise awareness and introduce labelling and standards as a solution to copper free brake pad alternatives, and is legislating towards copper free alternatives.

The Committee agreed to put a remit to the Local Government New Zealand Annual Conference that is being held on 15 July 2018 encouraging the use of copper free brake pads.

Committee Resolved CWZC/2018/00006

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Approve the Annual Report for 2017, subject to minor amendments made and agreed to at the meeting.

Chairperson Reuben/Councillor Lambie

Carried

Committee Resolved CWZC/2018/00007

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Write to the three Councils, Christchurch City, Selwyn District and Environment Canterbury, to recommend at the Local Government New Zealand Conference on 15 July 2018 a remit about Government bringing in legislation for the use of copper free brake pads.

Councillor Hasson/Councillor Cotter

Carried

Councillor Cotter departed at 8.20pm

12. Facilitator's Update - 22 February 2018

Shelley Washington spoke to her report.

Suzanne Furkert referred to the issue of the Christchurch City Council not mowing riverbanks, and replacing this with native plantings. She requested presentations from Environment Canterbury and the Christchurch City Council about specific waterways plantings provided for in draft Long-Term Plans.

Committee Resolved CWZC/2018/00008

Joint Committee Decision

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Facilitator's Update report for February 2018, and note the matter of presentations to Environment Canterbury and the Christchurch City Council Long Term Plans on specific waterways plantings.

Chairperson Reuben/Member Wanhalla

Carried

The Committee noted that this was the final meeting that Peter Ramsden would be attending. Arapata Reuben on behalf of the Zone Committee thanked Peter Ramsden for his role as Tangata Whenua Facilitator, noting the Karakia and translation was appreciated. He wished Peter well.

Peter Ramsden closed the meeting with a Karakia/Whakamutunga.

Meeting concluded at 8.38pm.

CONFIRMED THIS 22ND DAY OF MARCH 2018

**ARAPATA REUBEN
CHAIRPERSON**

7. Urban Eel - Te Tuna Tāone Project

Reference: 18/250648

Presenter(s): Sophie Allen and Emerson Yeoman, Working Waters Trust
sophie@working waters.org

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be updated about this new project, Urban Eel – Te Tuna Tāone.

2. Staff Recommendations

[That the Christchurch West Melton Water Management Zone Committee:](#)

1. [Receive the information in the Urban Eel – Te Tuna Tāone Project report.](#)

3. Report

- 3.1 Sophie Allen (Working Waters Trust) and Emerson Yeoman (Chairperson, Working Waters Trust) will share information about this exciting new project with the Zone Committee. They may also be joined by staff from Enviroschools.
- 3.2 This is a joint project of the Working Waters Trust with their partner Enviroschools Canterbury. It is funded by the Rātā Foundation.
- 3.3 They are working with eight Christchurch schools to connect them to a local waterway and particularly to our special longfin eels - with a focus on what actions we can undertake to help improve their habitat and urban stormwater quality.

Attachments

There are no attachments to this report.

8. Christchurch Enviro Hub

Reference: 18/250671

Presenter(s): Sophie Allen – sophie.earthwater@gmail.com

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be updated about progress of the Christchurch Enviro Hub proposal.

2. Staff Recommendations

[That the Christchurch West Melton Water Management Zone Committee:](#)

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

3. Report

- 3.1 Sophie Allen (Implementation Manager for the Christchurch Enviro Hub proposal) will update the Zone Committee on aspirations to build an inspirational Enviro Hub green building in Christchurch for the Greater Christchurch environmental community to use.
- 3.2 Sophie may also be joined by Enviro Hub Trustees.

Attachments

There are no attachments to this report.

9. Styx River Living Laboratory Trust

Reference: 18/250742

Presenter(s): Hugh Thorpe – hughthorpe20@gmail.com

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be updated on the work the Styx River Living Laboratory Trust is doing.
- 1.2 The Zone Committee was provided an overview of Styx River Living Laboratory Trust via their Annual Report 2016-17 that was included as “for information” in the Facilitators report for the Zone Committee’s 23 November 2017 meeting.

2. Staff Recommendations

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Styx River Living Laboratory Trust report.

3. Report

THE STYX LIVING LABORATORY TRUST (SLLT)

Presentation to the Christchurch-West Melton Zone Water Committee, 22 March 2018

In 2001 the wider Christchurch community, in conjunction with local government councils, adopted a 40-year plan for the Styx River catchment.

This plan is known as “The Styx Vision 2000-2040” and is expressed as 5 inter-related goals.

One of these goals is to develop the whole of the Styx River catchment as a place of learning and research and that is why the Styx Living Laboratory Trust (SLLT) was created. A long term objective is to have “source-to-sea” riparian access on both banks i.e. walkways/cycleways.

SLLT is the only community group advocating for the natural waterways and associated features of the Styx catchment and has been functioning since 2002. We have a collective passion for and knowledge of the whole catchment and provide a unique and increasingly valuable service to the people and environment particularly within that catchment but also the wider community.

In reality though this report is mostly a summary of the work programmes of the Christchurch City Council which align with the aims and activities of the SLLT although the Trust itself continues to be physically active in and advocates to both CCC and ECan on catchment issues.

There have been new plantings in the Styx, Kaputone* and Groynes reserves so that in total plantings now cover 53 hectares. This is more than existed in the whole of Christchurch (Ōtautahi) at the time of the first arrival of significant numbers of Europeans (Tāiwi). Some limited planting has also recently been done in the Cranford Street basin.

Existing plantings are progressing well. On an historical note, the plantings at the bottom end of the Styx, between the road bridge and the flood gate, done by the local womens’ Zonta Club some 20 years ago are now quite mature and form a beautiful river landscape. These are probably the most

mature native plantings on the Styx which are publically accessible and we can look forward to similar beauty spots as recent plantings grow, not to mention the associated enhancement of freshwater ecosystems.

A number of volunteer groups participate in planting events under the guidance of CCC staff e.g. on one occasion 30-40 OPUS staff planted some 2000 trees.

The winter solstice (Matariki) in early June is a time when, in the Styx, we ourselves, with tangata whenua, plant trees at a site on the Kaputone* near the junction with the Styx, which is being established as a space for Maori traditional medicinal plants (kahukura rongoa). The first session on the day is pre-dawn, (which is a challenge!) with another planting later in the day. This has been happening for four years now.

*The Kaputone is incorrectly named. It should be Kā Pūtahi but an historical transcription error has led to the present name becoming entrenched.

The construction of the Northern Corridor, as originally planned, would have required two culverts over the Kaputone between Belfast and Radcliffe Roads but after discussion and advocacy a few years ago by SLLT with NZTA this was revised so that the stream has been diverted to run parallel to the road for about 200m with the diversion attractively landscaped and planted. Completion of this was celebrated in June 2017 with a public gathering attended by council representatives and also children from Tuahiwi School. Minimal access to the cut-off loop will be maintained and this area developed as a wetland. When this road corridor is finished, with its bridges, there will be public access along 4-5 km of the Kaputone stream.

At about this time also it was reported that a breeding colony of lamprey (kanakana) exists in a box - drain entering the Styx just at the point where this drain joins the river immediately upstream of the Marshland road bridge. This is one of the most significant lamprey spawning sites in NZ and the NIWA expert flew down from Hamilton the day it was discovered! CCC plans to redesign the intersection at this point to protect these fish.

The two monitoring programmes supported by 5- 8 SLLT community volunteers in each group, with two mentors, are water quality and bird numbers, both at selected sites.

Water quality is monitored monthly at sites throughout the river and simple field and laboratory analyses done e.g. temperature, pH, clarity along with field observations. We now have several years of credible data which complements the work of ECan and CCC. For a few years we also of new volunteers but this proved difficult to sustain. We will re-start this work when suitable supervision of volunteers can be provided.

Several other SLLT volunteers do bird monitoring at Styx Mill Conservation Reserve and the newer reserve, which still has no formal name, running off Radcliffe Road. This programme began more recently but again we now have more than three years of good information. The Radcliffe Rd site of 8 ha is now fully planted. Areas where planting was done only 5 years ago now have trees 5-6 metres tall. Also at this reserve the old farm buildings and a footbridge were upgraded and a memorial seat to the late Christine Heremaia unveiled. Christine was the passionate driving force in establishing the SLLT programme.

No particular trends are apparent as yet in either data set but this itself is useful information, and such data gains value as the record extends.

Another value of the data collection is community involvement and education but the down-side of this is the need to continually recruit, train and enthuse new people. A further educational activity over several years has been the employment of a summer scholar for 10 weeks between university years to do research (supervised by CCC) and report on a carefully defined project.

SLLT has had a website for a number of years (www.thestyx.org.nz) and this has just been upgraded at considerable expense to improve the display and usability. All the field data has been uploaded this year and is publically available.

SLLT has Memoranda of Understanding (MoUs) with a number of agencies e.g. CCC, ECan, Manaaki Whenua Landcare Research, Lincoln University, NIWA and Willowbank Wildlife Reserve. We also liaise with other organisations such as Forest and Bird North Canterbury, Fish and Game Council, ECO and the Northwood Residents Association.

We participate with the Northwood Residents Association in their annual day and organise our own event "Summer in the Styx", which is held each year at the Radcliffe Road Reserve. This year it was held on February 18th and was very successful with stalls and displays by various individuals and groups. In total several hundred people attended from within the Styx catchment primarily but also further afield. Reaction was very favourable and people remarked that prior to the day they did not even know that the Radcliffe Road reserve existed.

We endeavour to keep the Shirley-Papanui Community Board informed of our activities and the features of the Styx catchment. Source-to-sea bus tours of the Styx catchment can be organised if people are interested and there is at least one every year, led by a member of SLLT, though these are usually under the auspices of another organisation e.g. Forest and Bird, WEA or U3As. Response to these is invariably very positive.

It is apparent that knowledge of our urban rivers among the general population is generally poor and it would be excellent if, as happened in the past, finance could be provided to subsidise such trips of discovery and exploration.

Members of SLLT have now jointly acquired a significant body of knowledge and experience of the Styx catchment which can be made available to the local community.

Future:

- Maintaining a well-trained and enthusiastic pool of volunteers is an on-going challenge and critical to our involvement with the local community.
- We would like to develop and expand education programmes for high schools and communities.
- Eventually we see SLLT morphing into a "rivercare" group.

Support

- SLLT will support applications to the Bio-diversity Fund for the Willowbank vicinity or Zealandia.
- SLLT itself is presently supported by ECan and CCC at around \$20k per year and this is critical to our continued operation.

Attachments

There are no attachments to this report.

10. Cultural Historical Perspective Freshwater Species

Reference: 18/250991

Presenter(s): Arapata Reuben – Arapata.reuben@ngaitahu.iwi.nz

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be provided with an overview of the cultural historical perspective on freshwater species that live in Christchurch rivers and streams.
- 1.2 Dr Belinda Margetts regularly gives an update to the Zone Committee on water quality in the Zone (which she will do approximately July 2018 to include 2017 results). However, the Biodiversity & Immediate Steps Working Group requested presentations on freshwater species, from both a western science perspective and a cultural historical perspective. Both are covered in tonight's meeting.

2. Staff Recommendations

That the Christchurch West Melton Water Management Zone Committee:

1. [Receive the information in the Cultural Historical Perspective Freshwater Species report.](#)

3. Report

- 3.1 Arapata Reuben (Chairperson, Christchurch West Melton Zone Committee and committee representative for Tūāhuriri Rūnanga) will give a cultural historical perspective on the freshwater species that live in Christchurch rivers and streams, and nearby. This will complement Dr Belinda Margett's presentation at this meeting about freshwater species.

Attachments

There are no attachments to this report.

11. Freshwater Species

Reference: 18/251100

Presenter(s): Dr Belinda Margetts – belinda.margetts@ccc.govt.nz

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to receive an overview about freshwater species that live in Christchurch rivers and streams.
- 1.2 Dr Belinda Margetts regularly gives an update to the Zone Committee on water quality in the Zone (which she will do approximately July 2018 when she can include the 2017 results). However, the Biodiversity & Immediate Steps Working Group requested presentations on freshwater species, from both a western science perspective and a cultural historical perspective. Both are covered in this meeting.

2. Staff Recommendations

[That the Christchurch West Melton Water Management Zone Committee:](#)

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

3. Report

- 3.1 Dr Belinda Margetts (Waterways Ecologist, Christchurch City Council) will give a presentation on the freshwater species that live in Christchurch rivers and streams. This will complement Arapata Reuben's presentation at this meeting which will be on a historical cultural perspective of freshwater species. They may also talk about species that live nearby (such as on the banks), and in and around the estuary.

Attachments

There are no attachments to this report.

12. Working Group Updates

Reference: 18/251149

Presenter(s): Shelley Washington – shelly.washington@ecan.govt.nz

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be updated on the activities of each Working Group over the last month and the next steps each group are working on.

2. Staff Recommendations

[That the Christchurch West Melton Water Management Zone Committee:](#)

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

3. Report

Urban Contaminant Working Group – Cr Pauline Cotter, Suzanne Furkert, Cr Tom Lambie, Helen Caley, Gareth Oddy, Andrew Congalton (co-opted) (supported by Jenny Watters and Nick Moody)

Priority catchments: Addington, Riccarton and Haytons

What are we trying to achieve in 5 years (2020)

- Addington Brook improve catchment health – contact recreation by 2020 and swimmable by 2030 (linking to ZIP's)
 - o Meets agreed standards as set out by the 5 year 'living' Integrated Catchment Management Plan to be developed by June 2018
- Riccarton Stream improve catchment health (linking to ZIP's)
 - o Meets agreed standards as set out by the 5 year 'living' Integrated Catchment Management Plan to be developed by 2019
- Haytons Stream improve catchment health (linking to ZIP's)
 - o Meets agreed standards as set out by the 5 year 'living' Integrated Catchment Management Plan to be developed by June 2018

What have we done since we last met?

- Organising April workshop and working on copper free brake pad communications materials
- Held a simple Addington field trip on Monday 19 March 5:30pm – 7:30pm for new Zone Committee members (all ZC members welcomed)

Next steps - Addington Brook Catchment

- The Urban Contaminants Working Group are hosting an Addington Brook workshop in April 2018. The aim of the workshop is to bring together key partners ECAN, CCC and local Rūnanga alongside a range of stakeholders (land managers, researchers and educators)

who can positively influence the health of the Brook. All Zone Committee members welcome.

Next steps - Riccarton Stream Catchment

- Paeroa Reserve. Lower Riccarton wastewater Interceptor: undertaking a review of impacts on the reserve with ECAN, CCC and contractors. CCC are also exploring the possibility of one of the shallow ground water bores being directed instream rather than closing. This would require consent with full assessment of environmental impacts to both originating and receiving environment. There is an opportunity to do some water quality testing of this water to get a better understanding of shallow ground water quality in the catchment.
- Jenny Watters is organising a simple Riccarton field trip for Friday 23 March 5:30pm – 7:30pm for new Zone Committee members (all ZC members welcome)

Next steps - Haytons Stream Catchment

- Heathcote Catchment Plan is due in June 2018. Working with Nick Moody on Upper Heathcote WQ Improvement visions and action plans.
- Working with Nick Moody on "What Success Looks Like", which water quality parameters to improve, and how much. Zn, Cu, TSS, also fish passage, and instream habitat.
- At Wigram Retention Basin, CCC is redeveloping the stormwater basin. ECAN is supporting research on the basin and wetland's performance with UC Researcher Fabio.
- Nick Moody held a simple Haytons field trip Friday 16 March 5:30pm – 7:30pm for new Zone Committee members (all ZC members welcome)

Cashmere Catchment Working Group – Arapata Reuben, Ken Rouse (Chair, co-opted), Les Wanhalla, Lance Kenyon, Gareth Oddy (supported by Shelley Washington)

What are we trying to achieve in 5 years (2020)

- Reduce sediment getting into Cashmere Stream (and therefore the Heathcote/Ōpāwaho and Avon-Heathcote Estuary/Ihutai)
- Improve ecosystem health

What have we done since we last met?

- TSS-Clarity-Turbidity Relationship Project: Shelley has met with key consents, compliance and science staff individually to get advice. Next steps are to type this up and organise a wider meeting with all key staff. Then the Working Group will receive this advice and identify next steps.
- Cashmere Stream Care Group had a meeting on 13 March where Peter Christensen (CCC) gave an update on CCC work to mitigate the Port Hills Fire effects via a verbal update and presentation. Nathan Dougherty and Bradley Paterson (ECAN) also discussed sediment from forestry and subdivisions with the group. The group went on to have the rest of their meeting to cover their other topics.
- Shelley is organising a simple field trip for Monday 26 March 5:30pm – 7:30pm for new Zone Committee members (all ZC members welcome)

Next steps

- Follow up actions from 6 December 2018 meeting in relation to: TSS-Clarity-Turbidity Relationship project; following up sign idea for Port Hills Fire/Cashmere Stream Restoration Project
- Cashmere Stream Care Group will continue to work with landowners, CCC, ECan and working group to progress phase 3 of their restoration project and continue maintaining phase 1 and 2.
- International Erosion Control Association (IECA) Conference taking place in Christchurch in early September 2018. This will include a full day field trip, likely to focus on Cashmere and Heathcote catchments. This event will also be of interest regionally and nationally. This event presents an exciting opportunity for this working group, committee, Banks Peninsula Zone Committee and Cashmere Stream Care Group to work with industry. ECan lead on this: Nathan Dougherty.

Groundwater & Drylands Working Group – Kevin Brown, Robert Wynn-Williams, Helen Caley, Carly Sluys, Gareth Oddy, Cr Tom Lambie, Cr Debra Hasson (supported by Zone Facilitator & Geoff Thompson)

What are we trying to achieve in 2 years (2018)?

- Know how much water is available for use.
- Understand the landownership pattern within the protection zone.
- Understand the threats to Christchurch's groundwater system.
- Identify how we can protect this resource for future generations.

What have we done since we last met?

- Had a meeting on 15 March (TBC) to discuss chairperson role, goals, and get to know groundwater system.

Next steps?

- Engagement with Waimakariri Zone Committee on Sub-Regional Plan process
 - The Centre for Freshwater Research (for Environment Canterbury) has been mapping the drying reaches of spring-fed streams, especially the the Ōtākaro/Avon River tributaries. This mapping will be provided to the Zone Committee once finalised.
 - The results of the modelling project on abstraction/injection systems for heating and cooling will be provided to the Zone Committee once finalised.
 - Environment Canterbury have done modelling for Waimakariri Zone to look at climate change impacts on groundwater levels and spring-fed stream flows. Results are applicable to the Christchurch West Melton Zone. Project to be completed approximately April 2018.
-

Communication and Engagement – Arapata Reuben, Lance Kenyon, Herewini Banks (supported by Charlotte O’Sullivan and Jackie Curtis)

What are we trying to achieve in the next 5 years (2020)?

- Raise awareness
 - o State of the waterways, their values and issues
 - o Actions individuals and groups can take
 - o Individual and groups doing good stuff
- Inspire action

What have we done since we last met?

- Verbal presentation 1 March to full CCC Council: the January field trip; Immediate Steps funding for Port Hills Fire Restoration Project; riverbank vegetation; contractor damage of natives planted by community groups; and new community members on committee.
- Finalised the Zone Committee Annual Report 2017
- Chair’s article about new members and zone field trip
- New stormwater behaviour flyers completed
- Were involved in Childrens Day 4 March (Helen Caley) with an information stall and helping run the stormwater themed snakes & ladders game which had approx. 150 children participate
- Were involved in Roimata Community Food Commons film night 17 March, with stormwater video, The Lorax and talking with people about stormwater behaviours (Helen Caley, Arapata Rueben)

Next steps

- Chair’s article
- Copper free brake pad communication materials finalised
- Arapata will put the idea of public signs for Ōpāwaho Heathcote Catchment on Communications Working Group agenda and align this with proposed Community Water Partnership.

Biodiversity & Immediate Steps – Lance Kenyon, Les Wanhalla, CrTom Lambie, Carly Sluys (supported by Ashleigh Watts and Zone Facilitator)

What are we trying to achieve in the next 5 years (2020)?:

- Increase indigenous species diversity, abundance and improved ecological health by providing funding to individuals, landowners and community groups.
- Raise awareness of biodiversity and ecological values of the Christchurch West Melton zone
- Recommend Immediate Steps funding allocations

What have we done since we last met?

- Lance has been working on ideas for review of Biodiversity section of ZIP, with help from Lesley Woudberg and Robert Wynn-Williams.
- Lance has been working on a Heathcote catchment idea
- Lance has requested working group members brainstorm (with no limitations): what biodiversity means for you; how waterways in the zone might look in the future; and individual ideas on how to achieve that future/picture.
- Ōpāwaho Heathcote Catchment map that this group initiated is nearing completion. Its purpose is to be a fun, friendly community engagement resource for the Zone Committee to use with community groups and other key players. It includes a number of past, current and proposed projects in the Catchment that cover “ecosystem services” such as projects on biodiversity, stormwater and land drainage. This piece of work has been led by Lance Kenyon, Shelley helped prepare the content and communications staff are designing.

Next steps

- A working group meeting about biodiversity (rather than immediate steps) and Heathcote Catchment opportunities and review of ZIP chapter
- Review immediate steps applications once they are available

Recreation – Suzanne Ferkert, Cr Pauline Cotter, Evan Smith (AvON, co-opted), Cr Glenn Livingstone (co-opted), CrTom Lambie, Carly Sluys (supported by Shelley Washington, Diane Shelander, Zone Facilitator)

What are we trying to achieve in the next 5 years (2020)?:

- Waterways better provide for multiple recreation, relaxation and amenity uses
- Aquatic and adjacent land recreational values in the Lower Avon/Ōtākaro River are improved (between Fitzgerald Ave and Estuary).
- Engage with stakeholders; identify challenges and opportunities; develop strategy; and implement strategy to improve aquatic and adjacent land recreational values in the Lower Avon/Ōtākaro River (between Fitzgerald Ave and Estuary).

What have we done since we last met?

- Identifying likely progress of the Zone Committee’s February 2017 recommendations. Discussing with key CCC staff. Bringing updates to the full Zone Committee.

Next steps

- Gathering progress updates and preparing an update email to go out to recreation stakeholders.
- Preparing some simple signs that recreation clubs can put up about when to phone main CCC number and when to use snap, send, solve.
- Scoping a potential planting project that recreation stakeholders can be involved in.
- Scoping potential for a joint workshop/meeting with Regenerate Christchurch.

Regional Committee – Les Wanhalla (supported by Lesley Woudberg)

- Regional Committee meeting 13 March.
-

Liaison with community groups – Suzanne Furkert (supported by Shelley Washington, Nick, Jenny, Ashleigh)

What are we trying to achieve in 5 years (2020)?

- Ensure we complement and build on each other's work to improve the health of Christchurch's water resources.

What have we done since we last met?

Community groups are busy. *Some* of the things happening:

- Many groups (Network for Ilam Stream, Styx River Living Laboratory Trust, Cashmere Stream Care Group, Ōpāwaho Heathcote River Network, and others) participated in CCC's water workshop on 1 March in Beckenham that is part of the proposed Community Water Partnership. The meeting demonstrated that key waterway focused community groups are very engaged and had very good ideas to contribute, particularly ideas for community engagement projects about stormwater behaviour change.
- Networking for the Environment event held on Friday 9 March that focused on helping groups understand Long Term Plans, 'top tips' for making submissions, and pointers from Christchurch City Council, Environment Canterbury, Waimakariri District Council and Selwyn District Council on key features of their LTPs out for consultation currently. It also helped groups know how to submit in favour of proposed Community Water Partnership and proposed capital expenditure in Addington and Riccarton catchments. There was also a demonstration of DOC's Nature Watch website which groups can use. This event went very well.
- Cashmere Stream Care Group clarity monitoring – tidying up data and organising who will analyse it and write it up
- Groups have had meetings and events.
- Avon Ōtakaro Network had a joint site at Childrens' Day 4 March with the Zone Committee, Christchurch City Council and ECAN
- Roimata Community Food Commons held a family friendly film and foodtruck evening on 17 March. Also attended and supported by the Zone Committee, Ōpawaho Heathcote River
- Avon Heathcote Estuary Ihutai Trust involved in consultation about location of coastal pathway and concerns about further reclamation of estuary edge.
- Avon Ōtakaro Network is also creating a stormwater demonstration site near the transitional walkway and cycleway.
- Shirley Stream Care Group preparing planting plan and with help from CCC is going to plant natives to enhance the stream.
- Groups working together to plan this year's Mother of All Clean Ups event 12 May.

- Ōpāwaho Heathcote River Network developing on a project to “add value” to Mother of All Clean Ups to encourage residents to pick up rubbish from beside the river.

Next Steps

- Keep in touch with groups and look for opportunities to highlight some of the great work they are doing.

Groups: Avon-Heathcote Estuary Ihutai Trust; Cashmere Stream Care Group; Ōpāwaho Heathcote River Network; Avon Ōtākaro Network; Shirley Stream Care Group; Roimata Community Food Commons; Styx River Living Laboratory Trust; Network of the Ilam Stream; groups in Riccarton Catchment; biodiversity focused groups etc.

Attachments

There are no attachments to this report.

13. Facilitator's Update - 22 March 2018

Reference: 18/251211

Presenter(s): Shelley Washington – shelley.washington@ecan.govt.nz

1. Purpose of Report

1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to inform the Committee of:

1.1.1 Upcoming events

1.1.2 Recent events

1.1.3 For information

- Port Hills Volunteers Restoration Update Autumn 2018 from Christchurch City Council Parks Team (Di Carter)

1.1.4 Media

- Heathcote River dredging to be fast-tracked to reduce flooding, 1 March 2018
- Nitrate levels on Waimakariri zone's agenda, 7 March 2018
- Walk for the planet, 7 March 2018
- Survey shows rural and urban sectors share common concerns, 7 March 2018

2. Staff Recommendations

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Facilitator's Update report.

3. Report

a) Upcoming Events

Event	Who	Comment
Riccarton Stream Catchment field trip for Friday 23 March 5:30pm – 7:30pm	New committee members Other ZC members welcome	Contact Jenny Watters for further information.
Cashmere Stream Catchment field trip (one site) for Monday 26 March 5:30pm – 7:30pm members welcome)	New committee members Other ZC members welcome	Contact Shelley Washington for further information.
26 April Zone Committee Meeting 6pm, Location TBC	Zone Committee/public	Likely topics:

		<ul style="list-style-type: none"> • Ōpāwaho Heathcote River Network • Rest TBC
9 April CWMS Watershed event, Tait Technology Centre, Christchurch	Zone Committee	<p>You will have been sent a “save the date”.</p> <p>This will be the first time we have brought together all the zone committees and partners to the CWMS for a day to celebrate our achievements, to reflect on the CWMS in a national and global context and to look forward to the next 5-10 years – what will our future achievements look like?</p> <p>The full programme and attendance details will be sent to you soon.</p>
Friday 20 April World Fish Migration Day - Margaret Mahy Playground, 11am – 4:30pm	Public and children (during school holidays)	<p>Organised by DOC, EOS Ecology, University of Canterbury, Fish & Game, ECAN.</p> <p>Resources being created for CWMS Watershed event on projects involving fish barriers (both adding or removing) could be used again.</p>
The Urban Contaminants Working Group are hosting an Addington Brook workshop on Friday 20 April.	<p>Invited representatives of key partners and local Rūnanga</p> <p>All ZC members welcome</p>	The Urban Contaminants Working Group are hosting an Addington Brook workshop in April 2018. The aim of the workshop is to bring together key partners ECAN, CCC and local Rūnanga alongside a range of stakeholders (land managers, researchers and educators) who can positively influence the health of the Brook. All Zone Committee members welcome.
Mother of All Clean Ups event, Saturday 12 May.	<p>Public</p> <p>Community Groups</p>	Organised by Avon Ōtākaro Network, Avon Heathcote Estuary Ihutai Trust and Ōpāwaho Heathcote River Network
International Erosion Control Association Conference and field day Christchurch, early September 2018 (TBC)	<p>ZC members</p> <p>Industry</p>	An opportunity to continue “raising bar” of erosion and sediment control in Christchurch and Canterbury

	Councils	Field trip likely to focus on Cashmere Stream and Heathcote River/Ōpāwaho catchments
Meet in the Middle , either 7 or 14 October	ZC members Public Community Groups	A similar concept to last year. Participants will be invited to use the trail to bike or walk to the event under their own steam. They hope to have a regatta and activities for children, music entertainment, stalls, food etc as last year.

b) Recent Events

CCC Water Workshop as part of developing proposed Community Water Partnership, Thursday 1 March 2018

Childrens Day, Sunday 4 March 2018

Networking for the Environment event, understanding Long Term Plans and how to prepare good submissions, Friday 9 March 2018

Haytons Stream Catchment Familiarisation for new ZC members (all ZC members welcome) Friday 16 March 5:30pm – 7:30pm. Organised by Nick Moody

17 March Roimata Community Food Commons screening of family film “The Lorax”, Radley Park, Woolston and stormwater video (and stormwater behaviour change engagement by Zone Committee members and ECAN staff), Saturday 17 March, 6pm onwards.

Addington Brook Catchment Familiarisation for new ZC members (all ZC members welcome) Monday 19 March 5:30pm – 7:30pm. Organised by Jenny Watters.

c) For Information

Attachments:

Port Hills Volunteers Restoration Update Autumn 2018, Christchurch City Council Parks Team (Di Carter)

d) Media

Attachments:

Heathcote River dredging to be fast-tracked to reduce flooding

Nitrate levels on Waimakariri zone's agenda

Walk for the planet

Survey shows rural and urban sectors share common concerns

Attachments

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Heathcote River dredging to be fast-tracked to reduce flooding

From The Press, 1 March 2018

For the full article and images:

<https://www.stuff.co.nz/the-press/news/101874580/heathcote-river-dredging-to-be-fasttracked-to-reduce-flooding>

Christchurch City Council has agreed to start dredging the Heathcote River to help reduce flooding in the area.

A 4 kilometre stretch of Christchurch's Heathcote River will be dredged for the first time in more than 30 years to reduce flooding. Christchurch City Council decided on Thursday to fast-track a \$16.5 million dredging programme that would remove about 60,000 cubic metres of material from the river by 2020. That was enough mud and silt to fill 24 Olympic-sized swimming pools. The fast-tracking was in response to residents in the flood-prone area calling on the council to remove the silt that had built up over more than 30 years.

Dredging the river is one of a number of actions being taken by the council to reduce flooding in the area. The first of three stages could begin as soon as May and would involve removing about 20,000cum from a section of the river from Woolston's Radley St to the end of Radley Park (Woolston Cut), at a cost of \$3m. The second stage, from Radley St to Opawa Rd, would be completed during 2018/19, instead of 2020. Stage three from Opawa Rd to Opawa's Hansen Park, would start in 2019 and finish in 2020 instead of 2021. However, the fast-tracking of the second and third stages was still subject to consenting and would mean other capital projects would need to be deferred so rates were not impacted.

The work was part of a \$72m plan to address flooding issues along the river. The council was also working on new storage basins in the Upper Heathcote and had agreed to buy up to 35 homes at risk of frequent flooding. A number of homes along the river have frequently flooded above floor level since the 2010 and 2011 earthquakes. The number of homes at risk of flooding during a one-in-50-year event was 222, compared to 175 before the tremors.

Councillor Pauline Cotter said it seemed logical to do the dredging at the same time as work to create storage basins in the river's upper catchment area because together the projects would provide maximum benefit. Council city services general manager David Adamson said staff had not yet decided which projects in the \$1.2 billion land drainage recovery programme would have to be delayed to make way for the dredging. "We'll be looking at what will have the least negative benefits, but we think this (the dredging) should be at the top of the list."

A staff report said the dredged-up material would be disposed of at existing waste management facilities and could also be used to remediate land at locations including the former Bromley landfill, where post-earthquake settlement had left the ground uneven. The report said care would be needed to manage the environmental effects of the dredging. Fish had been seen in the area and the dredging could impact inanga (whitebait) spawning areas. However, staff said that could be reduced by timing the dredging outside the spawning season, which was from December to May.

There was also an opportunity to increase the spawning areas once the work was complete, especially along the section from Radley to Woolston Cut where very little spawning happened because of the existing steep banks, staff said.

Nitrate levels on Waimakariri zone's agenda

Central Rural Life, Canterbury/Otago by David Hill

07 Mar 2018

General News - Page 13 - 337 words - ID 922029030 - Photo: No - Type: News Item -
Size: 177.00cm²

Nitrate leaching in parts of the district, as well as saltwater entering the Kaiapoi River, will be on the agenda as the Waimakariri zone committee works towards its sub-regional plan.

Waimakariri zone manager Andrew Arps said research was ongoing. The challenge was to remain focused on determining where the biggest impact could be achieved and delivering recommendations that could be clearly understood.

"We don't want things to get overly complicated," Mr Arps said.

The committee held a closed workshop last month and is due to hold its first official meeting for the year on March 12 as it considers ongoing research by Environment Canterbury (ECan) scientists into groundwater flows under the Waimakariri River and nitrate and salination levels in the Kaiapoi River, as well as three years of reports.

The draft sub-regional plan, which would be a series of recommendations, was due out for public consultation in June and was expected to be signed off in September.

The process was delayed last year while ECan studied groundwater flows under the Waimakariri River. Chief scientist Dr Tim Davie announced in December that low levels of nitrates were getting into drinking water supplies in Kaiapoi, Belfast and north Christchurch.

"The pre-Christmas announcement was just the first stage and is part of ongoing work," Mr Arps said.

A bigger challenge for the zone committee was nitrate levels at the Silverstream end of Kaiapoi River, which was much higher than the accepted national standard.

Groundwater from the Eyre catchment was the most likely source of the nitrates, but the issue was complex, Mr Arps said.

"There is no doubt the alluvial soils in that whole Eyre catchment area is sensitive, "But those nitrates showing up now are not from the last few decades, they are from up to the last 150 years..."

This meant the full impact of the present land use in the catchment may not be known for decades, meaning it "will get worse before it gets better", Mr Arps said.

"The good thing is there is work being done and people don't have their heads in the sand."

'Walk for planet' message continues

Central Rural Life, Canterbury/Otago by David Hill
General News - Page 6 - 251 words - ID 922028103 - Photo: No - Type: News Item -
Size: 131.00cm²

07 Mar 2018

It has been one year since "Walk for the Planet-7 Rivers, 7 Weeks" was started and organisers don't want the message forgotten.

"Walk for the Planet -7 Rivers, 7 Weeks" explored seven Canterbury rivers during March and April last year and became the feature film Seven Rivers Walking, which highlighted the plight of the region's rivers and documented local efforts to improve water quality.

To mark the first anniversary of the project's inception, walkers and environmentalists turned their attention on the Christchurch City Council and Environment Canterbury last Thursday.

Apou (talking stick), which featured in walks and events last year, was uplifted from the Christchurch City Council on Thursday, and taken on a short hikoi along the Otakaro Avon River to the Environment Canterbury (ECan) chambers.

Film-maker Kathleen Gallagher said the hikoi was a symbolic way of challenging the two councils to work together to improve the health of the city's rivers and to better manage water quality in the region.

ECan chairman Steve Lowndes said he accepted the challenge and he noted water and biodiversity were the top priorities in the council's 2018-28 Long-term Plan.

He said the council would take good care of the pou.

Walk for the Planet founder Mark Gibson said the walking would continue as long as the health of the region's rivers and waterways was at stake.

He invited the councillors to join walkers in circumnavigating the Avon-Heathcote Estuary on Easter Saturday.

The seven rivers are the Waikirikiri Selwyn, Rakaia, Orari, Rakahuri Ashley and Waimakariri Rivers, as well as Christchurch's Otakaro Avon and Opawaho Heathcote Rivers.

Survey shows rural and urban sectors share common concerns

Selwyn Times, Christchurch

07 Mar 2018

General News - Page 36 - 278 words - ID 921354359 - Photo: Yes - Type: News Item -

Size: 406.00cm²

A survey on New Zealanders' views on the primary sector shows the rural-urban disconnect may not be as marked as some commentators believe.

The broad survey, which was conducted for the Ministry for Primary Industries (MPI) last October, in the heat of election campaigning and with 'farmer bashing' high on some politicians' and lobby groups' agendas, found a drop in positivity about pastoral farming among both urban and rural respondents.

"It's hardly surprising given the political climate at the time," Federated Farmers national president Katie Milne said.

"It appears we're united in our determination to do even more to continue to strive for improvements in water quality. Double the number of both city and country folk see water quality as our most significant issue when compared to a similar survey done in 2008 - after all we are all in this together." The primary sector, otherwise, was still viewed as a significant contributor to the wider economy with two thirds of respondents believing the country is better off when farmers are going well.

The report also notes that positive views towards the dairy sector are still twice as high as negative ones.

Federated Farmers, meanwhile, is impressed that urban dwellers share farmers' concerns about such issues as biosecurity incursions and the need for more education and awareness around prevention.

Farmers would also take heart in the report's findings towards their activities and licence to operate.

"The report considers that the primary sector currently earns its 'social licence to operate' by providing employment opportunities, economic stability and food for New Zealanders," Ms Milne said.

Positive views towards dairy sector are twice as high as negative views, survey shows.

