
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 25 July 2019
Time: 6pm
Venue: Environment Canterbury,
200 Tuam Street

Membership

Chairperson	Arapata Reuben - Tūāhuriri Rūnanga
Members	Kevin Brown - Community Representative
	Helen Caley - Community Representative
	Annabelle Hasselman - Community Representative
	Gareth Oddy - Community Representative
	Carly Sluys - Community Representative
	Abbie Wilson - 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 Environment Canterbury building after 6pm, please phone Tami Woods at the number below

18 July 2019

Zone Facilitator
Tami Woods
Tel: 027 529 7761
Environment Canterbury

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

Committee Advisor
Liz Ryley
Tel: 941 8153
Christchurch City Council

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Karakia Whakamutunga

The meeting will be opened with a Karakia/Timatanga and closed with a Karakia/Whakamutunga

1. Apologies

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

2. Confirmation of Previous Minutes

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on [Thursday, 20 June 2019](#) 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 20 June 2019
Time: 6.10pm
Venue: Environment Canterbury,
200 Tuam Street

Present

Members

Kevin Brown - Community Representative
Annabelle Hasselman - Community Representative
Gareth Oddy - Community Representative
Helen Caley - Community Representative
Councillor Pauline Cotter - Christchurch City Council
Councillor Debra Hasson - Selwyn District Council
Herewini Banks - Te Hapū o Ngāti Wheke/Rapaki

In Attendance: Jan Burney; Pauline McGuigan; ECan – Shelley Washington, Ruth Sarson, Lauren Hamilton, Jen Watters; DOC – John Benn;

20 June 2019

Zone Facilitator
Lesley Woudberg
Tel: 027 706 4273
Environment Canterbury

Principal Advisor
Diane Shelander
Senior Policy Analyst
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www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx

Unconfirmed

Kevin Brown opened the meeting with a Karakia/Timatanga.

The agenda was dealt with in the following order.

1. Apologies

Committee Resolved CWZC/2019/00008

That the apologies for absence from Arapata Reuben, Carly Sluys, Les Wanhalla and Councillor Tom Lambie, for lateness from Councillor Pauline Cotter, and for early departure from Councillor Debra Hasson, be accepted.

Herewini Banks/Annabelle Hasselman

Carried

2. Confirmation of Previous Minutes

Committee Resolved CWZC/2019/00009

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on Thursday, 23 May 2019 be confirmed.

Annabelle Hasselman/Gareth Oddy

Carried

3. Matters Arising from the Minutes

In response to a query about the Milnes drain eels left on the riverbanks, Ruth Sarson advised that this was a compliance matter under the Resource Management Act. Councillor Hasson referred to an area where clearing of vegetation was only from the top of the banks and queried whether this could be achieved in the Halswell and Christchurch City catchments. Staff will check these matters and provide the Committee with information when it becomes available.

4. Deputations by Appointment

There were no deputations by appointment.

5. Identification of Urgent Items

Nil.

6. Identification of General Public Contributions

Nil.

6a. Presentation - Recent Heathcote River Sediment Assessment Work

A presentation was given by Zone Committee member, Gareth Oddy, about the recent Heathcote River Sediment Assessment work. This included information on sediments in the river, what it contains and how it can be dealt with. Members requested a future briefing on whether there was benefit for further work to remove sediment/contaminants, and when that should occur. It is understood that there will be further sediment removal above Radley Road bridge as part of CCC's Land Drainage Recovery Programme.

Councillor Cotter arrived at 6.19pm.
Councillor Hasson departed at 6.55pm.

8. Invitation for Councillors to Attend Christchurch Water Management Field Trip

Committee Comment

1. Lesley reported on the invitation for Christchurch City Council and Environment Councillors to attend the Christchurch Water Management field trip early 2020, similar to the “What’s Happening Under Our Feet” field trip undertaken during March/April 2019.
2. Other catchments could be considered such as the Heathcote, depending on enthusiasm of Committee members to help lead trips.

Committee Resolved CWZC/2019/00010

That the Christchurch West Melton Water Management Zone Committee:

1. Note the invitations for Christchurch City Council and Environment Canterbury Councillors to attend a Christchurch Water Management Field Trip.

Kevin Brown/Pauline Cotter

Carried

7. Correspondence - Minister of Health

Committee Comment

1. Discussion was held about the response received from the Ministry of Health’s Population Health and Prevention Unit, and members noted that the Ministry did not consider it appropriate to change the maximum acceptable value for nitrates in drinking water on the basis of one Danish study.
2. The Committee agreed to seek the support of the Canterbury Medical Officer of Health, to jointly write a letter to the Minister of Health recommending that research be undertaken to investigate any correlation between nitrate levels in drinking water and the incidence of colorectal cancer.

Committee Resolved CWZC/2019/00011

That the Christchurch West Melton Water Management Zone Committee:

1. Note the correspondence received from the Ministry of Health on the link between nitrate levels in drinking water and increased risk of bowel cancer.
2. Seek the support of the Canterbury Medical Officer of Health, to jointly write a letter to the Minister of Health recommending that research be undertaken in the Canterbury region, to investigate any correlation between nitrate levels in drinking water and the incidence of colorectal cancer.

Herewini Banks/Pauline Cotter

Carried

9. Briefing on the Christchurch City Council Stormwater Consent Decision Committee Comment

1. Christchurch City Council staff were unavailable to attend the meeting, therefore the item was deferred to the next Zone Committee meeting.

10. Addington Brook 'Living' Catchment Management Plan Committee Resolved CWZC/2019/00012

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the Addington Brook 'Living' Catchment Management Plan

Kevin Brown/Pauline Cotter

Carried

11. Facilitator's Update - 20 June 2019 Committee Resolved CWZC/2019/00013

That the Christchurch West Melton Water Management Zone Committee:

1. Note the upcoming events and updates.

Kevin Brown/Herewini Banks

Carried

Kevin Brown closed the meeting with a Karakia/Whakamutunga.

Meeting concluded at 7.45pm.

CONFIRMED THIS 25TH DAY OF JULY 2019

**KEVIN BROWN
DEPUTY CHAIRPERSON**

7. Correspondence - Minister of Health

Reference: 19/800479

Presenter(s): Tami Woods, Zone Facilitator

1. Purpose of Report

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to note the correspondence being sent from the Committee to the Deputy Director, Population Health and Prevention, Ministry of Health (Attachment A) and to Professor Gillian Abel, Head of Department of Population Health, University of Otago (Attachment B) on research on nitrate in drinking water and colorectal cancer risk.

2. Staff Recommendations

That the Christchurch West Melton Water Management Zone Committee:

1. Note the correspondence from the Committee to the Deputy Director, Population Health and Prevention, Ministry of Health, and to Professor Gillian Abel, Head of Department of Population Health, University of Otago, on research on nitrate in drinking water and colorectal cancer risk.

3. Key Points

- 3.1 The correspondence is the result of an earlier presentation and discussions by the Zone Committee relating to the interzone groundwater issue and nitrates, along with earlier correspondence to the Minister of Health on 15 April 2019 about this matter.

Attachments

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Christchurch West Melton Water Zone Committee

3 July 2019

Deborah Woodley
Deputy Director-General, Population Health and Prevention
Copy to the Hon Dr David Clark, Minister of Health

Dear Ms Woodley

Re: Research on nitrate in drinking water and colorectal cancer risk.

The Christchurch West Melton Zone Committee thank you for your letter - reference DR19163.

The committee would like to re-iterate the request: "Whether the Ministry of Health has a programme of work focused on this research, and if so, how this research will be used to determine the appropriateness of MAV for nitrate. If not, the committee would like to see the Ministry of Health work with research institutes to prioritise studies on the relationship between nitrate levels and colorectal cancer in New Zealand."

The zone committee is already well aware of the Drinking Water Standards New Zealand 2005 (revised 2018) that have adopted the WHO drinking water limit of 50 mg/L for nitrate and that the NZ standards are unlikely to change until the WHO limits are changed. The committee also recognizes the requirements for analysis and reporting where elevated nitrate levels are found. We are also aware that a National Policy Statement is currently under review addressing water quality standards in New Zealand.

The committee was not seeking a change to the MAV for nitrate in drinking water as we recognized that: "... further conclusive research is needed to determine the correlation between nitrate levels and colorectal cancer, and therefore the appropriateness of the current 'Maximum Acceptable Value' (MAV) for nitrate in drinking water."

In the Canterbury rural areas, there are around 14,000 non-monitored private bores, many of which are used for household drinking water supply. A recent random sampling of a few of these wells in the West Melton area showed nitrate levels above 50% of the current MAV. Although community and network water supplies in Christchurch City and environs do not exceed the current MAV for nitrate, recent modelling indicates that groundwater nitrate concentrations – and therefore drinking water concentrations – are likely to rise in the future in areas of Christchurch City. Although the predicted nitrate concentrations do not approach the current MAV, they are well above the levels recorded as statistically significant in the Danish study.

The committee believes that exposing the Canterbury population to such a possible risk warrants urgent investigation.

Nāku noa, nā



Arapata Reuben
Chair of the Christchurch West Melton Zone Committee
Email: Arapata.Reuben@ngaitahu.iwi.nz

Christchurch West Melton Water Zone Committee

3 July 2019

Professor Gillian Abel
Head of Department, Department of Population Health
University of Otago
Email gillian.abel@otago.ac.nz

Dear Professor Abel,

Re: Research on nitrate in drinking water and colorectal cancer risk.

I am writing as Chair of the Christchurch West Melton Water Management Zone committee.

The Christchurch West Melton Zone Committee is a joint committee established by Environment Canterbury, Christchurch City Council, and Selwyn District Council. The committee includes community members, and rūnanga and council representatives. Its role is to help deliver the Canterbury Water Management Strategy and make recommendations to councils about the management of freshwater.

Recently the zone committee discussed research on the correlation between low nitrate levels in drinking water and the occurrence of colorectal cancer. The discussion focused on the findings of several studies, including one led by Aarhus University, Denmark: Schullehner, J., Hansen, B., Thygesen, M., Pedersen, C.B. and Sigsgaard, T. (2018). Nitrate in drinking water and colorectal cancer risk: a nationwide population-based cohort study. *International Journal of Cancer*, 143: 73-79.

The committee are concerned about the findings of the research given the current nitrate concentrations in many of Canterbury's public and private drinking water supplies. The study identified a statistically significant cancer correlation with nitrate concentrations as low as 3.9 mg/L compared to the WHO (and NZ) drinking water guideline of 50 mg/L. We acknowledge that further conclusive research is needed to determine the correlation between nitrate levels and colorectal cancer, and therefore the appropriateness of the current 'Maximum Acceptable Value' (MAV) for nitrate in drinking water.

Although community and network water supplies in Christchurch City and environs do not exceed the current MAV for nitrate, recent modelling indicates that groundwater nitrate concentrations – and therefore drinking water concentrations - will be increasing in the future in certain areas of Christchurch. Although the predicted nitrate concentrations do not approach the MAV, they are well above the levels recorded as statistically significant in the Danish study. Furthermore, in the rural areas, there are up to 14,000 non-analysed private bores, many of which are used for household drinking water supply. A random sampling of a few of these wells showed nitrate levels currently above 50% of the MAV.

Christchurch West Melton Water Zone Committee

With New Zealand's high rate of colorectal cancer, the Zone Committee would like to know if the University of Otago is either actively undertaking, or considering, a research project to investigate the possible correlation between colorectal cancer and nitrate in drinking water in the Canterbury area.

Nāku noa, nā



Arapata Reuben
Chair of the Christchurch West Melton Zone Committee
Email: Arapata.Reuben@ngaitahu.iwi.nz

8. Facilitator's Update - 25 July 2019

Reference: 19/803480

Presenter(s): Tami Woods, Zone Facilitator

1. Purpose of Report

- 1.1 The purpose of this report is to inform the Christchurch West Melton Water Management Zone Committee of upcoming events and relevant updates.

2. Staff Recommendations

That the Christchurch West Melton Water Management Zone Committee:

- Note the upcoming events and updates.

3. Report

a) Recent Events

Event	Who	Comment
Networking for the Environment Hui Date: Friday, June 21 Time: 9:00am -12:30pm Venue: Environment Canterbury, 200 Tuam Street	Environmental groups	The purpose of this hui was to provide an IT 101 session specific to Not for Profit organisations.
Braided Rivers Seminar 2019 26 June at 8:30 am - 5:00 pm	Public	Papers presented at the seminar are available at https://braid.org.nz/2019-braided-rivers-seminar
CWMS Chairs/Deputy Chairs meeting 10 July	CWMS Chair and Deputy Chairs	Purpose of the meeting was to reflect on achievements of Committee's, key challenges and provide input into future directions. Kevin attended.
Remix Beach Clean and Plastic Discussion Date: 17 July Time: 10:30 am - 11:30 am Venue: Sumner Beach	Public	\$2 cost to participate. 30-minute beach clean followed by a discussion about types of things that end up on our beach and what we can do to avoid them getting there. Money raised from this event will fund further plastic recycling education.
Janet Stewart Reserve Planting Day Date: 24 July Time: 10am to 2pm Venue: Janet Stewart Reserve, Lower Styx Rd	Public	Mid-week day of planting and mulching at Janet Stewart Reserve.
Friends of Te Ara Kākāriki annual meeting Date: 24 July Time: 6:30 - 8:30 pm	Public	Te Ara Kākāriki Greenway Canterbury Trust (TAK) works with landowners and schools to undertake restoration projects mostly in the Selwyn District. One of their focuses is on Halswell river catchment. Environment

Venue: Lincoln University – Field Science Centre Seminar Room	Canterbury Councillor Lam Phan talked at the annual meeting.
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Upcoming Events – Visit www.ecocanterbury.org.nz

Event	Who	Comment
Mahoe-nui Winter Planting Days – Lower Site Date: 27 July Time: 9:15 am - 11:30 am Venue: Evans Pass Rd	Public	Planting 300 trees
Halswell Quarry Park planting day Date: 27 July Time: 10am – 12pm Venue: Halswell Quarry Park, Kennedys Bush Road	Public	Halswell Quarry Park planting day to restore native wetland swales into the park
Meet in the Middle Date: 12 October Time: 12-3pm Venue: Kerrs Reach	Public	Would the Committee like to have a stand at this year's event?

b) Updates

Forest and Bird legal challenge on zone committee members' conflict of interest

In May this year Environment Canterbury received a new legal claim from Forest & Bird relating to water zone committees. The claim is against both the Auditor-General and Environment Canterbury. It follows unsuccessful action Forest & Bird started a year ago.

The claim relates to exemptions the Auditor-General has issued for eight years for members of water zone committees, which are joint committees of Environment Canterbury and Canterbury's territorial councils, where committee members may have conflicts of interest in the zone committee's work. The regional council is defending its position and has filed its statement of defence. The case will be heard in the High Court in Wellington on 2 September 2019.

The claim is a challenge to zone committee processes, in this instance relating to the Hurunui Waiau Zone Committee's discussions about minimum flows. Forest & Bird was unsuccessful in litigation it brought last year, also challenging the processes around minimum flows in the Hurunui Waiau zone. This latest challenge appears to be another attack on the same processes but using different legal grounds. Environment Canterbury and Hurunui District Council have both made public statements strongly supporting zone committees and the collaborative process. Chief Executive Bill Bayfield has said in an ECan media release that "We are frustrated at continually needing to divert resources to fund legal costs when they would be better spent on important environmental work in the region."

The Forest and Bird claims and responses are covered in a news item at <https://www.newsroom.co.nz/@environment/2019/07/04/666508/canterbury-water-conflict-exemptions-taken-to-court>

Ravensdown Stormwater Improvements Project Update

Attached is an update on Ravensdown's Stormwater Improvements Project, including completion of stage 2 of the investigations and the outcomes.

Christchurch City Council Stormwater Consent

Independent commissioners have recently granted Christchurch City Council (CCC) a comprehensive consent to discharge stormwater from the existing and future reticulated stormwater network within Christchurch City and the settlements of Banks Peninsula.

A total of 39 submissions were received and 30 were heard by a panel of independent commissioners appointed by Environment Canterbury. The consent was granted on 4 June 2019 with a duration of 25 years and was then subject to an appeal period. Christchurch City Council has made an appeal against two parts of the conditions that were amended by the Commissioners.

The resource consent aims to future-proof Christchurch's stormwater network while also improving water quality in the receiving rivers as well as protecting the city's groundwater resources. The resource consent will be the first time that all stormwater discharges from the reticulated stormwater networks in Christchurch City and Banks Peninsula will be managed under one resource consent, with a Stormwater Management Plan developed for each of the seven sub catchments.

The seven sub catchments are:

1. Outer Christchurch;
2. Pūharakekenui/Styx River;
3. Ōtākaro/Avon River;
4. Ihutai/Avon-Heathcote Estuary and Coastal areas;
5. Huritini/Halswell River;
6. Ōpāwaho/Heathcote River; and
7. Te Pātaka o Rākaihautū/Banks Peninsula.

Nitrate in Drinking Water Research

A Local Government New Zealand (LGNZ) Remit from Christchurch City Council, supported by the Metropolitan Group, went to the Local Government AGM 7 on July. The remit was passed with 95 per cent support. LGNZ will now recommend the Government fund additional research into the effects of nitrates in drinking water on human health, and/or partner with international public health organisations to promote such research, in order to determine whether the current drinking water standard for nitrate is still appropriate for the protection of human health.

At its Council meeting on 11 July 2019 Environment Canterbury also resolved to send a letter to the Minister of Health asking that research be prioritised into health issues from nitrate concentrations.

Plan Change 7 to Land and Water Regional Plan

Environment Canterbury will publicly notify proposed Plan Change 7 to the Land and Water Regional Plan on 20 July 2019 for public submissions. The Plan Change has three parts. Part A is an 'Omnibus' plan change that proposes amendments to region-wide provisions in the LWRP and makes minor changes to a number of subregion sections. Parts B and C relate to the Orari-Temuka-Opihi-Pareora (OTOP) and Waimakariri sub-region sections of the Plan respectively.

CWMS Zone Committees 2018 Annual Reports

The combined 2018 Annual Reports for all the regional Zone Committee's are now available on Environment Canterbury's website.

<https://ecan.govt.nz/data/document-library/?Search=annual%20report%20>

Action Tracker

Progress on recommendations from previous zone committee meeting will be included in an 'Action Tracker' to be separately circulated.

Next quarterly update to Christchurch City Council

The next quarterly update to Christchurch City Council by the Committee is scheduled for the 22 August Council meeting.

Promotion of stormwater messages at the Botanic Gardens

Attached are photos of the promotion board with stormwater messages at the Botanic Gardens.

Selwyn Waihora Zone Committee Meeting - West Melton Community Centre: 6 August

A reminder that the Selwyn Waihora Zone Committee has invited the Committee to attend their meeting between 3.45 to 4.45pm on 6 August. The Committee would like to hear about the Committee's:

- Stormwater superhero work;
- Letters about research into nitrate in drinking water and responses;
- Work around copper brake pads;
- Community field-trips; and
- How the CHWM committee does what it does.

Media

Article on 'Canterbury mayors committed to the CWMS' after adoption of the Fit for Future project new CWMS goals for 2025 and 2030

<https://ecan.govt.nz/get-involved/news-and-events/2019/canterbury-mayors-committed-to-the-cwms>

Nitrate in waterways - What's the story? On Environment Canterbury's website

<https://ecan.govt.nz/get-involved/news-and-events/2019/nitrate-in-waterways-whats-the-story>

Water chlorination progress articles

<https://www.ccc.govt.nz/news-and-events/newsline/show/3747>

<https://www.ccc.govt.nz/news-and-events/newsline/show/2692>

Zone Committee DRAFT Action Plan

At the Zone Committee workshop on 28 February, members discussed priority actions for 2019. These actions have been incorporated into a DRAFT Action Plan for the zone committee. A copy of the DRAFT plan was emailed to zone committee members for feedback. Some feedback was received and integrated into the plan. Tami Woods will facilitate a session with committee members immediately following the zone committee meeting (6.45-8pm) to confirm the actions and determine appropriate timeframes.

Attachments

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B ↓	Promotion of Stormwater Messages - Botanic Gardens	22
C ↓	Draft Action Plan	24

Item 8

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2019-07-16

Tami Woods
Zone Facilitator
Christchurch West Melton Zone Committee
(via email) tami.woods@ecan.govt.nz

Dear Tami

Update on progress of Ravensdown Hornby Stormwater Improvements Project

Ravensdown would like to provide the Christchurch West Melton Zone Committee with an update on the progress of the Stormwater Improvements Project for their Hornby site.

As the Zone Committee are aware, Ravensdown have been working on a project to improve the quality of the stormwater discharged from their fertiliser manufacturing site on Main South Road, Hornby. Aurecon and Pattle Delamore Partners (PDP) have recently completed Stage 2 of the project. This stage covered:

- Analysis of different devices that could be used to treat stormwater discharge from the site. A modelling programme was used to identify the levels of contaminants likely to be discharged after treatment by different devices. This was used to select the best combination of stormwater treatment devices for the site.
- Further soil contamination and soakage testing.
- Groundwater testing from four new wells, and the existing well recently tested by Ecan.
- Modelling dispersion of contaminants in groundwater.
- Planning assessment.
- Meetings and discussions with ECan and CCC.

These investigations identified that it was not likely to be possible to treat the stormwater from the site so that it would meet groundwater or surface water quality standards, even using a treatment train with a number of devices in series. The investigation also identified more contamination of the soil and groundwater than was expected, likely from the historical use of the site (and possibly from the ongoing use of the site). Considering all of these factors, Ravensdown are moving forward with the following approach:

- "First flush" (the dirtiest fraction of stormwater, from the first part of rainfall events) will be captured and discharged to trade waste (sewer).
- "Cleaner" stormwater from later in the rainfall event will be discharged to CCC's stormwater network (treatment will be provided, if required, to meet the surface water quality standards). Treating the stormwater from later in the rainfall event is likely to be more achievable after discharging the "dirtiest" stormwater to trade waste.

The project team think this will result in a better environmental outcome, as it will mean that only very large rainfall events will discharge from the site. All of the stormwater runoff from more than 80% of all rainfall events will be discharged to trade waste and treated appropriately at CCC's wastewater treatment plant.



Aurecon and PDP are moving forward with Stage 3 of the project, which will involve concept design of the system, and obtaining resource consents with the aim of having the system constructed by April 2020. There is also an intention to further investigate the groundwater beneath the site to inform a consent application for management of the groundwater contamination.

Ravensdown intend to provide the Zone Committee with a further update at the completion of Stage 3 of the project (approximately mid/late-September 2019). If you would like further information about the project in the meantime, please don't hesitate to contact us.

Yours faithfully



Helen Caley
Manager – Environment and Planning

Enc:

Copies:

Photos of stormwater message board at the Botanic Gardens



STORMWATER SUPERHEROES

When it rains, water that runs into the street becomes stormwater. Stormwater is washed down the drain and flows into our rivers and streams. Rubbish also gets washed down the drain and pollutes our waterways.

Practice your superhero skills with our **drain game** and see if you can figure out what can go down the drain pipes.


- Rubbish
- Chemicals
- Dog poo
- Rain water

Thor-N

"Remember, only rain down the drain!"

For more information about stormwater and another fun game, head to the Visitor's Centre.

Have you seen the blue fish?



They are sitting next to drains all around the city to remind us that the water from our roads washes straight into the river.

we need your help to stop the fish getting sick!

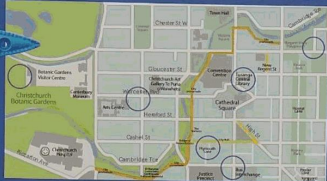
Find out how to help at
kidsfest.co.nz/event/fishforgold

Fish for GOLD and win!

We've hidden **six golden fish** around Christchurch CBD. Find four of them and tell us where they are for your chance to win! There's some clues in the map below.

Prizes include:

- Fishing packages from Hunting and Fishing
- Free swim passes at Council pools
- Family passes to Orana Wildlife Park and Willowbank Wildlife Reserve, Macpac outdoor gear and more



Enter at kidsfest.co.nz/event/fishforgold
Terms and conditions apply

ORANA
Wildlife Park

Willowbank
your best guarantee

Christchurch
City Council

Christchurch West Melton Zone Action Plan – DRAFT March 2019

In February 2019, committee members shared ideas about what they want to achieve. The below ‘Action Plan’ incorporates these ideas and will inform agenda items and the committees work. This plan is intended to help make progress toward achieving the priority outcomes from the Christchurch West Melton ZIP. Many of these actions will be delivered by the committee with support from Councils, agencies and community groups.

The Zone Committee can play a key role in supporting the delivering this action plan through:

- **Engaging with the Christchurch West Melton Zone community**– establish strong connections with community groups, be a contact for community members to discuss issues/solutions, be a community voice.
- **Hosting events, workshops, public meetings, fieldtrips** to share information, seek input/feedback, and celebrate success.
- **Using media** to build the profile of the committee, share information and celebrate success.
- **Supporting and celebrating** the work of landowners and community groups.
- **Allocating the IMS biodiversity fund.**
- **Making recommendations** to councils to influence work programmes.
- **Reporting** to Councils, Ngai Tahu and the relevant Community Boards.

ZIP Outcomes	Priority Actions
1. <i>Safeguarding ground water quality and flows for multiple uses.</i>	1. Educate community members about Christchurch’s groundwater system, including water flow, quality and usage. Likely Contributors: ZC, Centre of Freshwater Management, Councils, Community Boards. <i>ZC Role: To host events and share information. Tactics could include public fieldtrips, sharing information via community boards, seminar series etc.</i>
	2. Understand how the RMA framework manages water bottling activities and the implications of the activity on Christchurch’s groundwater allocation. Likely Contributors: Ecan, CCC <i>ZC Role: Request briefing from councils, share information with community, integrate key messages into public fieldtrip.</i>
	3. Recommend that central government invest/prioritise research on nitrate levels and colorectal cancer. Likely Contributors: ZC, Ministry for Health <i>ZC Role: Write to the Minister of Health recommending that central government support studies in this important area of research.</i>
	4. Consider the important role of recharge from water races on groundwater levels and spring flows and protect these where appropriate. Likely Contributors: Selwyn District Council, CCC <i>ZC Role: Recommend that Councils work together to ensure that water races remain open in areas where the recharge is considered critical for spring flows.</i>
2. <i>Promote Sustainable Urban Drainage Systems (SUD)</i>	5. Publicise SUDs through workshops and forums on how they operate, their implementation and benefits. Likely Contributors: Selwyn District Council, CCC <i>ZC Role: Recommend that CCC and SDC work with developers to ensure SUD’s are integrated into future developments.</i>
3. <i>Improving surface water quality and safeguarding surface water flows</i>	6. Reduce stormwater pollution at source by extending the reach and effectiveness of the stormwater superhero campaign. The campaign will include a range of tactics to engage community members, including children, in a behaviour change program. Develop a specific programme targeted at industry and large businesses. Likely Contributors: CCC, Ecan, community groups. <i>ZC Role: Hosting events, share info through networks, target different audience. Support development and use of new education resource. Urban contaminant working group to work with CCC and Ecan to develop programme.</i>
	7. Complete multiple STORMINATOR trials in the city. Likely Contributors: Canterbury University, businesses, Ecan, ZC <i>ZC role: ZC help raise awareness of trials and promote information/ availability of product once it is on the market.</i>
	8. Investigate the benefits and costs of trailing Managed Aquifer Recharge to increase/supplement spring flows. Likely contributors: Councils, Universities <i>ZC Role: Work with Council and Universities to understand existing examples of managed recharge and identify opportunities for potential trials.</i>
1. <i>Enhancing and managing waterways for</i>	9. Integrate public access into IMS biodiversity projects where appropriate. Likely contributors: ECan, CCC, landowners <i>ZC Role: Encourage applicants to consider access opportunities.</i>

<i>recreation, relaxation and amenity.</i>	<p>10. Increase community awareness about sedimentation in the Ōpāwaho/Heathcote River and efforts to reduce it. <i>Likely contributors: Community groups, CCC</i> <i>ZC Role: Ideas could include a public river walk to discuss issues and the work that council/community groups are doing. Recommend that CCC develop and install educational signage at popular recreation areas along the river e.g. bridges at Hansen Park. Signs to focus on waterways values, issues and what people can do to help.</i></p>
4. Enhancing degraded ecosystems, indigenous biodiversity, values introduced species and landscapes.	<p>11. IMS biodiversity fund is strategically allocated to projects in priority catchments- Port Hills/Ōpāwaho Heathcote, Dry Grasslands and Otukaikino. <i>Contributors: ZC, Ecan, landowners</i> <i>ZC Role: Allocate IMS funding, encourage and support landowners, celebrate projects through community days, school visits and media.</i></p>
	<p>12. Use the Billion Trees Fund to enhance biodiversity and reduce erosion on the Port Hills. <i>Likely contributors: MPI, CCC, Community Groups, Ecan</i> <i>ZC Role: Make connections between interested community groups and landowners and staff from MPI and Councils.</i></p>
	<p>13. Investigate the drivers behind recent changes in macroinvertebrates in the Otukaikino. <i>Likely Contributors: CCC, ECan</i> <i>ZC Role: Receive updates on investigation and provide feedback on next steps.</i></p>
5. Making efficient use of water and managing demand.	<p>14. Implement an effective water efficiency programme with Christchurch residents, businesses and industry. <i>Likely Contributors: CCC, ECan</i> <i>ZC Role: Recommend strategies and tactics to CCC for driving water efficiency in the city. Help promote and share messages through your channels/networks.</i></p>
6. Community Engagement	<p>15. Develop and implement a six-monthly communication plan. The goal of the plan is to facilitate opportunities for the zone committee to:</p> <ul style="list-style-type: none"> Highlight the work, activities and priorities of the committee Engage with members of the public around topical issues and share science/information in an engaging way. Identify issues of concern to the public and how the committee might assist in addressing/resolving these issues <p><i>ZC Role: Members have input into the development of plan, host events, share information via networks/social media, write articles for local newspapers etc.</i></p>
	<p>16. Connect with, and support, community groups. <i>ZC Role: Invite groups to present at meetings, fieldtrips, attend their meetings/events, link groups with useful contacts, share information. Profile groups works at Council meetings to increase awareness.</i></p>
7. Future Actions	<p>Additional pieces of science work which ZC could recommend Council fund in next Long-Term Plan</p> <ul style="list-style-type: none"> Ongoing updates and improvements to the 'interzone' groundwater model. <i>Timeframe- Model will be discussed at PC7 hearing which is scheduled for 2020. Recommend during LTP that Ecan funds ongoing improvements and updates to the model.</i> Investigate the impact of 'interzone' groundwater quality on spring fed streams in the CHWM zone. <i>Timeframe- Request that this piece of work is funded in next LTP. Beneficial to have this information in advance of Waimakariri Plan Review</i> Encourage CCC to include SUD in District Plan so that the implementation of these into all developments is encouraged.