
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 27 February 2020
Time: 6pm
Venue: Te Hapua: Hao Lounge, 341 Halswell Road, Halswell

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 Sophie McInnes - Selwyn District Council
	Councillor James Daniels - Christchurch City Council
	Councillor Phil Clearwater - Councillor Environment Canterbury
	Les Wanhalla - Te Taumutu Rūnanga
	Kylie Jane Phillips - Te Hapū o Ngāti Wheke/Rapaki

20 February 2020

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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Christchurch West Melton Water Management Zone Committee

Members' Register of Interests – at 9 September 2019

Name/Organisation	Interests
Helen Caley, Aurecon	<ul style="list-style-type: none"> Works in environmental consulting, in planning and contaminated land, occasionally on consents for council stormwater projects Aurecon contracted by Ravensdown for stormwater system upgrades at their Hornby site, to improve the quality of the discharge
Annabelle Hasselman	<ul style="list-style-type: none"> Chair Ōpāwaho Heathcote River Network Shareholder Fulton Ross Team Architects
Gareth Oddy	<ul style="list-style-type: none"> Environmental Scientist working predominately in the contaminated land and groundwater sectors for a private company ENGEO Limited Shareholder of ENGEO Limited (Geotechnical and environmental management consultancy) ENGEO have previously provided occasional contaminated land assessment services and asbestos management services to CCC and ECan Paid member of the Australasian Land and Groundwater Association, Water New Zealand and Wasteminz
Kevin Brown	<ul style="list-style-type: none"> Partner, GEOKEM consultancy in geothermal energy and water quality Adjunct Professor, University of Canterbury Private well owner in high nitrate groundwater area Lifestyle block owner

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Karakia Whakamutunga

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

1. Apologies

An apology for absence has been received from Councillor James Daniels.

2. Declarations of Interest

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

3. Confirmation of Previous Minutes

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on [Thursday, 28 November 2019](#) be confirmed (refer page 5).

4. Matters Arising from the Minutes

5. Deputations by Appointment

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

6. Identification of Urgent Items

7. Identification of General Public Contributions



Christchurch West Melton Water Management Zone Committee OPEN MINUTES

Date: Thursday 28 November 2019
Time: 6pm
Venue: Te Hapua: Halswell Centre, 341 Halswell Road -
Piharau Meeting Room

Present

Chairperson
Members

Arapata Reuben - Tūāhuriri Rūnanga
Kevin Brown - Community Representative
Helen Caley - Community Representative
Abbie Wilson - Community Representative
Councillor Sophie McInnes - Selwyn District Council
Councillor Phil Clearwater - Councillor Environment Canterbury
Herewini Banks - Te Hapū o Ngāti Wheke/Rapaki
Les Wanhalla - Te Taumutu Rūnanga

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

Arapata Reuben opened the meeting with a Karakia/Timatanga.

Arapata welcomed new Council representatives to the Committee, Councillor McInnes, Selwyn District Council and Councillor Clearwater, Environment Canterbury.

Secretarial Note: On the day of the meeting, the City Council's Sustainability and Community Resilience Committee confirmed the appointment of Councillor James Daniels as representative on the Zone Committee, to replace Councillor Pauline Cotter.

The agenda was dealt with in the following order.

1. Apologies

Committee Resolved CWZC/2019/00026

That the apologies from Councillor Daniels, Annabelle Hasselman, Gareth Oddy and Carly Sluys, be accepted.

Arapata Reuben/Kevin Brown

Carried

Stormwater Superhero Businesses

In relation to Item 10 on the agenda, awards were presented to recognise the following *Stormwater Superhero* businesses.

- Resene Tower Junction;
- Hagley College;
- Tower Junction;
- Winstone Wallboards Limited;
- Canterbury University Waterways Centre; and
- CSP Galvanising Limited

8. Deputation - Nichola Wilkie

Nichola Wilkie gave a deputation to outline her concerns about the use of hazardous substances, including fertilisers, particularly in the Ōpāwaho/Heathcote River area. She felt that no authority has the right to interfere with natural resources and alter natural flora and fauna.

The Committee asked staff to follow up on the status of the use of Roundup by the Christchurch City Council, and consider communicating with Dr Pink, Medical Officer of Health.

2. Declarations of Interest

There were no declarations of interest recorded.

3. Confirmation of Previous Minutes

Committee Resolved CWZC/2019/00027

That the minutes of the Christchurch West Melton Water Management Zone Committee meeting held on Thursday, 22 August 2019 be confirmed.

Kevin Brown/Abbie Wilson

Carried

4. Matters Arising from the Minutes

An update on the Community Waterways Partnership Charter will be provided by Tami later in the meeting.

6. Identification of Urgent Items

Nil.

7. Identification of General Public Contributions

Nil.

9. Correspondence - Received from the Ministry of Health

Committee Comment

1. Tami referred to the letter from the Ministry of Health regarding the link between nitrate levels in drinking water and an increased risk of bowel cancer. She noted a key point from the letter that the Ministry's Chief Science Advisor, Dr Ian Town, has discussed the matter with the Prime Minister's Chief Science Advisor and would be talking with a number of experts, including Environment Canterbury staff about what further research is needed in this regard.

Committee Resolved CWZC/2019/00028

That the Christchurch West Melton Water Management Zone Committee:

1. Note the correspondence received from the Ministry of Health regarding the link between nitrate levels in drinking water and an increased risk of bowel cancer.

Kevin Brown/Arapata Reuben

Carried

10. Stormwater Superhero Businesses

Committee Comment

1. The Stormwater Superhero awards were presented earlier in the meeting.

Committee Resolved CWZC/2019/00029

That the Christchurch West Melton Water Management Zone Committee recognise the businesses above as *Stormwater Superheros* for their significant contribution to stormwater management by:

- a. Providing Industry leadership;
- b. Demonstrating the ability to develop, articulate and implement changes in stormwater management;
- c. Significantly contributing to the industry and wider community/industry partners; and/or
- d. Demonstrating high standards of ethical and business practises around stormwater.

Abbie Wilson/Helen Caley

Carried

11. Cashmere Stream and Port Hills Workshop Follow Up Committee Comment

1. Tami and Shelley outlined the issues and outcomes from the workshop, and the potential actions for the Committee to consider.
2. The following points were initially discussed as actions or follow up:
 - a. District Plan controls over subdivisions.
 - b. Staff to provide information on District Plan controls and timing of the District Plan review or other opportunities to influence management of subdivisions and earthworks in the Port Hills moving forward.
 - c. Focus on communicating the things people could do at home.
 - d. Engage whole neighbourhoods – there are a lot of community groups on the river.
 - e. North America development controls are more effectively managing subdivision and earthworks – can we learn from them - staff to investigate whether we can hear from these experts.
 - f. Ongoing support for contractors' training on erosion and sediment control should be a key priority.
 - g. To ensure ongoing momentum on topic, a working group should be established.
 - h. The working group invite should be extended to Ken Rouse and the Ōpāwaho/Heathcote River Network.
 - i. Terms of Reference need to be established for the working group and dates set for meetings.

Committee Resolved CWZC/2019/00030

That the Christchurch West Melton Water Management Zone Committee:

1. Notes the:
 - a. Notes from the workshop (Attachment 1);
 - b. Record of post stick notes from participants (Attachment 2); and
2. Agrees to progress the potential actions in the agenda paper along with the additional discussion points (in 2) above in 2020; and establish a working group involving external parties to progress these with a Terms of Reference.

Les Wanhalla/Helen Caley

Carried

12. Immediate Steps Funding: Albert Stream Enhancement

Committee Comment

1. Kate Hunt, Environment Canterbury's Biodiversity Officer working on the Immediate Steps Funding programme was introduced to the meeting.
2. Lauren advised that the Biodiversity Working Group requires an indication of interest. Tami will contact members via email in this regard.

Committee Resolved CWZC/2019/00031

That the Christchurch West Melton Water Management Zone Committee:

1. Approves Immediate Steps Biodiversity (IMS) funding for Stage 3 Albert Stream Enhancement.

Arapata Reuben/Abbie Wilson

Carried

13. Facilitator's Update - 28 November 2019

Committee Comment

1. Les suggested that the other side of copper brake pads leaflets should cover key points about vehicle washing in correct areas.
2. Tami noted on 3 December an Ecology Inanga Day – detail to be emailed to Zone Committee members.
3. Councillors Clearwater and McInnes provided comments about their interests and involvement with the Zone Committee going forward.
4. As this was Herewini Banks' final meeting, the Zone Committee agreed that it has been a pleasure having Herewini working alongside them on the Committee.
5. The meeting schedule for 2020 as appended to the agenda was confirmed.
6. A quarterly update will be presented to the Christchurch City Council's Three Waters Infrastructure and Environment Committee on 18 December 2019. This will be available to view on live-stream at <http://councillive.ccc.govt.nz/live-stream>
7. The draft 2019 Annual Report was noted. An amendment will be made to include Councillor Daniels, replacing Councillor Cotter. The Committee requested the addition of workshops on erosion and sediment control be included in the key achievements; and under the Future Challenges, the nitrate/bowel cancer and update on the remit regarding copper brake pads.
8. The Draft Indicative Work Programme to February 2020 was noted. Still required are updates on Three Waters; estuary water quality monitoring and litter booms, and inclusion of a field trip to Ōtūkaikino, particularly for the new Councillors on the Committee
9. Continue discussion on copper brake pads in 2020, consider a more proactive approach with providers.

Committee Resolved CWZC/2019/00032

That the Christchurch West Melton Water Management Zone Committee:

1. Note the upcoming events and updates.

Arapata Reuben/Helen Caley

Carried

Arapata Reuben closed the meeting with a Karakia/Whakamutunga.

Meeting concluded at 8.10pm.

CONFIRMED THIS 27TH DAY OF FEBRUARY 2020

**ARAPATA REUBEN
CHAIRPERSON**

8. Management of Conflicts of Interest

Reference / Te Tohutoro: 20/173957

Report of: Tami Woods – tami.woods@ecan.govt.nz
Kevin Brown – kevin@geokem.co.nz
Item Timing – 20 minutes

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is to outline the recommended approach to managing Zone Committee conflicts of interest following the revocation of exemptions to the Local Authorities (Members' Interests) Act 1968.

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receives the information on managing conflicts of interest.

3. Report

- 3.1 Zone Committee Chair and Deputy Chair receives training on the types of interests and example scenarios that may require careful consideration.
- 3.2 A comprehensive register of interests is developed for the Zone Committee.
 - a. The register will contain a similar level of detail as the Environment Canterbury Councillor declaration of interest register.
 - b. It will additionally include a statement on contracts held between the member and Environment Canterbury or the relevant Territorial Authority.
 - c. This will be added to the next agenda for each Zone Committee to discuss and take away a form to fill in and sign.
- 3.3 The Terms of Reference and Code of Conduct for each Committee will be reviewed to ensure consistency with the conflict of interest obligations under the Act.
- 3.4 Ongoing interest management
 - a. Refer to guidance below.

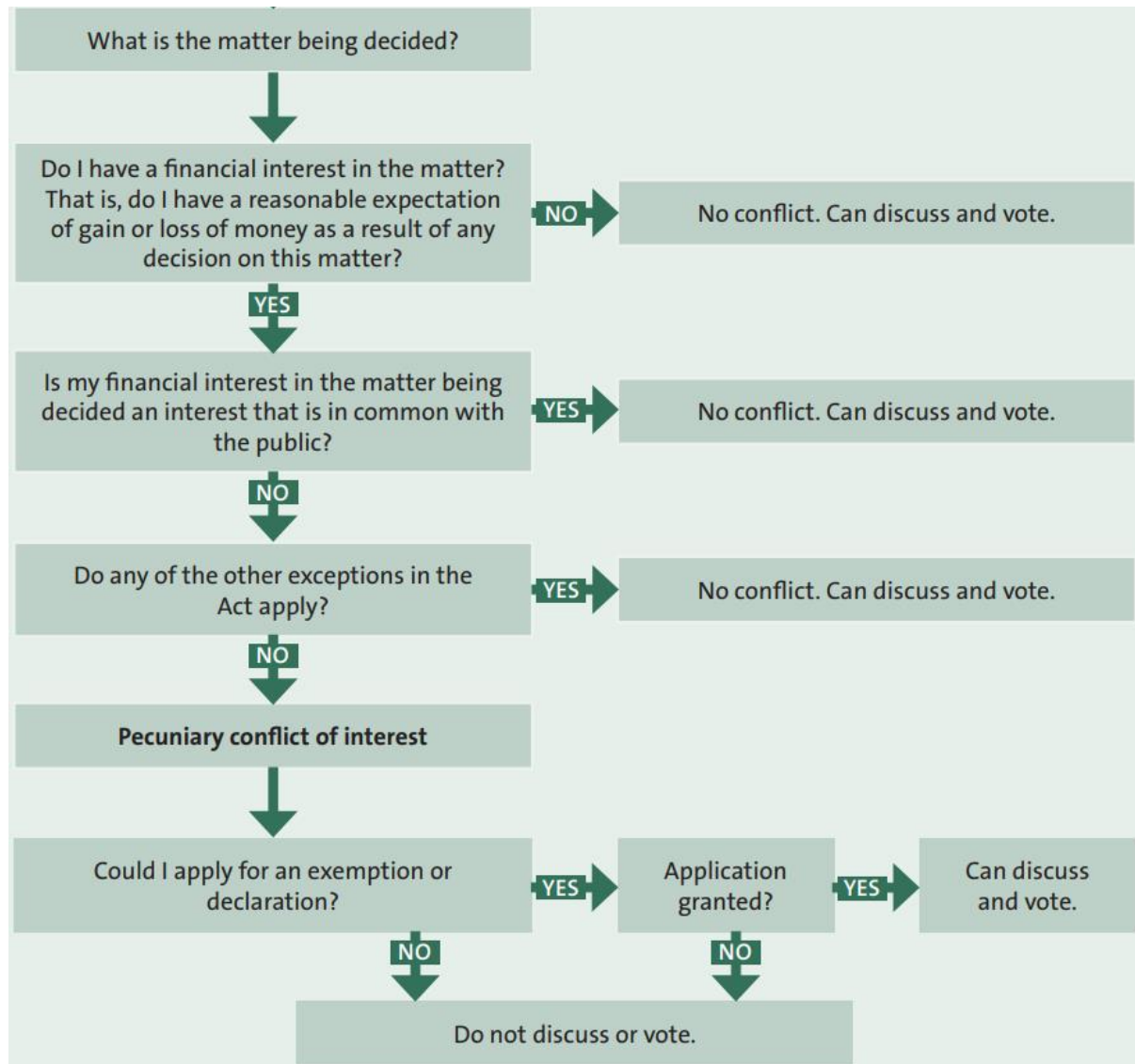
Guidance on process for Zone Committee Members

Process to manage interests

How will the interests of Zone Committee members be managed from now on?

The ability of Zone Committee members to both discuss and vote on matters before the committee is to be determined on an issue by issue basis and nature of any pecuniary interests members may have related to the issue under consideration.

The following diagram gives Zone Committee members some guidance on how they should evaluate and manage any pecuniary conflicts:



Zone Committee members also need to consider declaring non-pecuniary conflicts of interest, such as bias. The law about bias has been developed to achieve two main goals. First, it ensures that the best decision is made based on relevant information and arguments, not ulterior motives or prejudices. Secondly, it ensures that people affected by, or interested in, a decision have trust and confidence in the process – meaning they are more likely to accept a decision once it is made.

Refer to https://www.oag.govt.nz/2010/lamia_page_30.

In order to support Zone Committee members in managing their interests and management of pecuniary interests the following processes will be established:

Prior to meeting

- Zone Committee members have a responsibility to declare their interests.

- The Secretary to the committee will ensure that a register of Zone Committee members' interest is maintained and available to the Zone Committee at each meeting and workshop.
- Zone Committee members will ensure they consider the agenda items with sufficient time before the meeting to identify if they may have a conflict for a specific item.
- Prior to the meeting Zone Committee members may wish to collectively evaluate interests and check their judgement on potential conflicts with their peers.

During meeting

- The Chair of the Zone Committee will ensure that the consideration of conflict of interests is on the agenda for each Zone Committee meeting and workshop. The Chair will also ensure due consideration is given to manage any conflicts.
- At each meeting, members should advise which, if any, agenda items represent a conflict due to pecuniary interests, though members do not need to state the exact nature of their interest nor why it exists.
- Where a member has declared a pecuniary interest in an agenda item, that member has the responsibility to step back from the table during discussion and voting on that agenda item (though may remain in the public seating area/in the room).
- Members may become aware of a conflict during the discussion of an agenda item (i.e. had not identified the conflict earlier), the member needs to ensure they declare the conflict, and abstain from the continuing as part of discussion.
- The Chair of the meeting needs to ensure they follow the same process as for members. During the discussion of an agenda item the Chair is conflicted on, the Chair shall request the deputy Chair to lead the item.
- The Secretary must record in the minutes the Zone Committee member's declaration and abstention from discussion and voting on the agenda item concerned.
- Note, the quorum is not affected by members abstaining due to conflicts of interest, so long as they remain present in the room.

Post meeting

- Zone Committee members have an ongoing responsibility to update and advise on changes needed to the interests register. The Committee Secretary will ensure the interests register is up to date.
- Zone Committee members should ensure that any declarations of conflict they made during the meeting are reflected accurately in the minutes.

Where can I go for further information and support?

Contact Catherine Schache (General Counsel, Environment Canterbury), Tami Woods your Zone Facilitator and/or refer to the following guidance: <https://www.oag.govt.nz/2010/lamia>

Example of Register of Zone Committee Interests content

Name	Committee Member Interests
Example person	<ul style="list-style-type: none">• Dairy farming/grazing• Partner of X holdings (with spouse)• X Family Trust – trustee (spouse is also trustee)• Shareholder (less than 10%), X Irrigation Ltd• Land with beneficial interest – 100 Smithfield Road. 200 Town Road• Consents held – CRC123123, CRC345345• Member Federated Farmers• Contract 2019 with Environment Canterbury (with a value of \$X)• Contract 2020-2022 with Ashburton District Council (with a value of \$X)

Item 8

Attachments

There are no appendices to this report.

9. 2020 Committee Meetings, Working Groups and Election of Chair and Deputy Chair

Reference / Te Tohutoro: 20/174915

Report of:

Tami Woods – tami.woods@ecan.govt.nz

Item Timing – 15 minutes

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to:
 - 1.1.1 At the March Committee meeting, elect the Chair, Deputy Chair and Regional Representative for 2020, as set out in the Terms of Reference;
 - 1.1.2 Review and amend, if needed, meeting dates, times and location; and
 - 1.1.3 Confirm the purpose and membership of working groups.

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee agrees to:

1. Elect the Chair and Deputy Chair at its March 2020 meeting.
2. Meet between 6 - 8pm on the following Thursdays:
 - a. 27 February – Te Hapua: Hao Lounge, 341 Halswell Road, Halswell
 - b. 26 March – Venue close to Otukaikino (TBC)
 - c. 30 April - Woolston Community Library/Hall, 689 Ferry Road, Woolston
 - d. 28 May - Te Hapua: Hao Lounge, 341 Halswell Road, Halswell
 - e. 25 June - Woolston Community Library/Hall, 689 Ferry Road, Woolston
 - f. 30 July - TBC
 - g. 27 August - TBC
 - h. 24 September - TBC
 - i. 29 October - TBC
 - j. 26 November - TBC
3. Confirm working groups and membership for 2020.

3. Report

The Zone Committee

- 3.1 The Christchurch West Melton Zone Committee is established under the Local government Act 2002 in accordance with the Canterbury Water Management Strategy 2009.
- 3.2 The Committee is a joint committee of Christchurch City Council, Selwyn District Council and Environment Canterbury.
- 3.3 The purpose and function of the committee is to:

- Facilitate community involvement in the development, implementation, review and updating of a Zone Implementation Programme that gives effect to the Canterbury Water Management Strategy in the Christchurch West Melton Zone.
 - Monitor progress of the implementation of the Zone Implementation Programme.
- 3.4 The Committee does not have the authority to commit any council to any path or expenditure and its recommendations do not compromise the Council's freedom to deliberate and make decisions.
- 3.5 The Committee does not have the authority to submit on proposed Resource Management or Local Government Plans.
- 3.6 The Committee does not have the authority to submit on resource consent matters.

Operating Philosophy

- 3.7 The Committees will at all times operate in accordance with the requirements of the Local Government Official Information and Meetings Act 1987, and will observe the following principles:
- 3.7.1 Give effect to the Fundamental Principles, Targets and goals of the CWMS;
 - 3.7.2 Be culturally sensitive observing tikanga Maori;
 - 3.7.3 Apply a Ki uta ki tai (from the mountains to the sea) approach;
 - 3.7.4 Work with the CWMS Regional Committee to support the implementation of the CWMS across the region as a whole;
 - 3.7.5 Give consideration to and balance the interests of all water interests in the region in debate and decision-making;
 - 3.7.6 Work in a collaborative and co-operative manner using best endeavours to reach solutions that take account of the interests of all sectors of the community;
 - 3.7.7 Contribute their knowledge and perspective but not promote the views or positions of any particular interest or stakeholder group;
 - 3.7.8 Promote a philosophy of integrated water management to achieve the multiple objectives of the range of interests in water;
 - 3.7.9 Seek consensus in decision-making where at all possible. In the event that neither unanimous agreement is able to be reached nor a significant majority view formed, in the first instance seek assistance from an external facilitator to further Committee discussions and deliberations. Where the Committee encounters fundamental disagreements, despite having sought assistance and exhausted all avenues to resolve matters, recommend that the respective Councils disband them and appoint a new Committee.

Elections

- 3.8 Each year, the Committee is required to appoint the Chair and Deputy Chair from the membership by simple majority. There is no limit on how long a person can be in either of these positions.

- 3.9 The current Chair is Arapata Reuben. The Deputy is Kevin Brown. Arapata wishes to stand down from the role of Chair in 2020.
- 3.10 The Committee also needs to appoint a member to the position of representative on the Regional Committee. The current Regional Committee representative is Les Wanhalla.

Process to Elect of Chair and Deputy Chair

A local authority or a committee (if the local authority has so directed) must determine by resolution that a person be elected or appointed by using one of the following systems of voting:

- (a) [System A]; or
(b) [System B].

System A

- (a) requires that a person is elected or appointed if he or she receives the votes of a majority of the members of the local authority or committee present and voting; and
- (b) has the following characteristics:
- (i) there is a first round of voting for all candidates; and
 - (ii) if no candidate is successful in the round there is a second round of voting from which the candidate with the fewest votes in the first round is excluded; and
 - (iii) if no candidate is successful in the second round there is a third, and if necessary subsequent round of voting from which, each time, the candidate with the fewest votes in the previous round is excluded; and
 - (iv) in any round of voting, if 2 or more candidates tie for the lowest number of votes, the person excluded from the next round is resolved by lot.

System B

- (a) requires that a person is elected or appointed if he or she receives more votes than any other candidate; and
- (b) has the following characteristics:
- (i) there is only 1 round of voting; and
 - (ii) if 2 or more candidates tie for the most votes, the tie is resolved by lot."

[cl. 25, Schedule 7, LGA]

Meeting Dates and Times

- 3.11 The Committee must meet at least eight times per annum and with workshops and additional meetings as required.
- 3.12 The Committee can decide on the location of meetings to encourage greater engagement on issues in particular areas.

Working Groups

- 3.13 The Committee historically has had a number of working groups. The table below outlines the working groups as at February 2018 and membership. Members no longer on the Committee are shown for reference.

Working Group	ZC MEMBERS (as at Feb 2018)
Urban Contaminants	Pauline Cotter Tom Lambie
Cashmere Catchment	Ken Rouse – Chair (co-opted) Les Wanhalla Arapata Reuben
Biodiversity & Immediate Steps	Les Wanhalla Tom Lambie Annabelle Hasselman Arapata Reuben
Communication	Arapata Reuben - Chair
Recreation	Cr Pauline Cotter Evan Smith (co-opted) Cr Glenn Livingstone (co-opted)
Groundwater & Drylands	Kevin Brown

- 3.14 Members have the opportunity to close and/or set up additional working groups, and/or change membership.
- 3.15 Moving forward it is recommended that each working group be established for one year and have a clear Terms of Reference with a goal(s) for the year.

Attachments

There are no appendices to this report.

10. Christchurch International Airport Limited, Simplification of Stormwater Discharge Resource Consents Framework

Reference / Te Tohutoro: 20/175768

Annie Timms – annie.timms@cial.co.nz

Report of:

Bianca Sullivan – bianca@envirer.co.nz

Item Timing – 15 minutes

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is to inform the Christchurch West Melton Water Management Zone Committee of Christchurch International Airport Limited's (CIAL) intention to merge its two existing global stormwater discharge consents (to ground) into one consent.

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information on Christchurch International Airport Limited's intention to merge its two existing global stormwater discharge consents (to ground) into one consent.

3. Background

- 3.1 CIAL's current landside stormwater discharge resource consent framework consists of two "global" stormwater discharge consents, with slightly different conditions but which overlap in the areas they cover. As a result, it can be complicated to determine which consent applies, making it difficult for CIAL to administer, and challenging for Environment Canterbury (ECan) to accurately monitor.
- 3.2 To simplify administration and to ensure consistency of stormwater infrastructure across campus, when installing new stormwater infrastructure CIAL already applies conditions of the more stringent conditions of the two consents.
- 3.3 In recognition of how the complex consent framework makes monitoring difficult for ECan, CIAL goes beyond the current consent conditions' requirements and includes all reporting requirements for both consents into one annual monitoring report. This provides ECan with a better overview of the discharges and related monitoring.
- 3.4 CIAL now wish to take the next step and simplify the discharge consent framework, through amalgamation of the two landside "global" stormwater discharge consents. As the Resource Management Act does not have a process for amalgamating existing consents, a new consent must be sought. The consent being sought does not change the scale or scope of the existing consented activities (both current and for future development).
- 3.5 From a practical perspective the amalgamation will result in a more consistent and higher level of stormwater treatment across the CIAL campus and better reflect how CIAL manage the design, operation and on-going maintenance of stormwater infrastructure. It will also provide a far simpler framework for ECan to monitor.

Attachments

There are no appendices to this report.

11. Cashmere Stream and Port Hills - Working Group Updates

Reference / Te Tohutoro: 20/176236

Report of: Tami Woods – tami.woods@ecan.govt.nz
Shelley Washington – shelley.washington@ecan.govt.nz
Item Timing – 15 minutes

General Manager:

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be provided with:
 - 1.1.1 The notes from the Cashmere Stream and Port Hills Working Group (Working Group) meeting on 27 January;
 - 1.1.2 The proposed Terms of Reference for the Working Group;
 - 1.1.3 The priorities for 2020, identified by the Working Group on 27 January, from the potential actions discussed at the 28 November Committee meeting; and
 - 1.1.4 The proposed recommendations from the Working Group, for communication from the Zone Committee to the next Christchurch City Council Three Waters and Environment Committee.

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Notes the summary of the Cashmere Stream and Port Hills Working Group (Working Group) meeting on 27 January;
2. Accepts, and/or amends the proposed Terms of Reference for the Working Group;
3. Endorses the priorities actions for 2020, identified by the Working Group; and
4. Recommends to the Christchurch City Council's March 2020 Three Waters and Environment Committee, the Working Group's proposals:
 - a. That Christchurch City Council make the Cashmere Stream and the Port Hill catchments that drain into the Cashmere Stream a compliance priority.
 - b. That Christchurch City Council supports the range of issues and actions being further investigated by the Zone Committee Working Group around improving erosion control management and training (Operational Action No 3 in attachment 3).
 - c. That the Three Waters and Environment Committee and Community Boards nominate Councillors and Board members to join the Zone Committee Working Group on a 'rainy day inventory', where the Committee will ground truth sources of sediment and identify steps within a catchment to address site specific issues.
 - d. That Christchurch City Council consider creating a short and engaging video for the community about land drainage work being undertaken in Cashmere Stream and down the Ōpāwaho Heathcote River to alleviate flooding, reduce sediment, increase biodiversity, mahinga kai and recreational activities.

3. Background

- 3.1 On 24 October 2019 a workshop was held by the Committee about the Cashmere Stream and the Port Hills. It was noted that clarity in Cashmere Stream continues to decrease. Key sources and issues included: clear-fell exotic forestry clearance; recreation tracks; stock access; stream cleaning to remove weeds for flood control; impact of fires; eight new subdivisions; and the Adventure Park.
- 3.2 Speakers at the workshop emphasised a lot of knowledge existed, but not enough was happening to reduce sediment sources. It was accepted by all that there will always be some erosion and sediment sources, but that more work could be done to improve awareness and management.
- 3.3 At the 28 November 2019 meeting the Committee reviewed feedback from the workshop and a list of potential actions. The Committee also endorsed the re-establishment of a working group on Cashmere Stream to prioritise and progress the potential actions. Involvement on the working group was also extended to Ken Rouse from the Cashmere Stream Care Group and members of the Ōpāwaho Heathcote River Network.
- 3.4 On 27 February 2020 the first working group meeting was held at Environment Canterbury.

Summary of Working Group Meeting 27 January

Attachment 1 includes the notes from the Working Group meeting.

Cashmere Stream and Port Hills Working Group Terms of Reference

Attachment 2 includes a copy of the proposed Terms of Reference for the Working Group.

Actions and Priorities for 2020

Attachment 3 includes the potential actions and priorities identified by the Working Group on 27 January 2020.

Recommendations to Christchurch City Council Three Waters and Environment Committee and Community Boards

At the December 2019 Christchurch City Council's Three Waters, Infrastructure and Environment Committee meeting, the Committee made the following recommendation back to the Zone Committee:

2. In response to the concern raised by the Chair of the Christchurch-West Melton Zone Committee relating to sediment from run-off the Committee requested information be included in the next Three Waters report on sediment control in the Port Hills.
- 3.5 The Working Group has identified the following recommendations that they recommend be communicated to the Three Waters and Environment Committee as part of the next Zone Committee update. It is also recommended that these be communicated to the Community Boards:
 - 3.5.1 That Christchurch City Council make the Cashmere Stream and the Port Hill catchments that drain into the Cashmere Stream a compliance priority.

- 3.5.2 That Christchurch City Council supports the range of issues and actions being further investigated by the Zone Committee Working Group around improving erosion control management and training (Operational Action No 3 in attachment 3).
- 3.5.3 That the Three Waters and Environment Committee and Community Boards nominate Councillors and Board members to join the Zone Committee Working Group on a 'rainy day inventory', where the Committee will ground truth sources of sediment and identify steps within a catchment to address site specific issues.
- 3.5.4 That Christchurch City Council consider creating a short and engaging video for the community about land drainage work being undertaken in Cashmere Stream and down the Ōpāwaho Heathcote River to alleviate flooding, reduce sediment, increase biodiversity, mahinga kai and recreational activities.

Attachments

No.	Title	Page
A ↓	Cashmere Stream and Port Hills Working Group Notes 27 Jan 2020	24
B ↓	Terms of Reference for Cashmere Stream and Port Hills Working Group	26
C ↓	Cashmere Stream Port Hills Priorities and Actions	29

Christchurch West Melton Water Zone Committee

Working Group Meeting Notes

Meeting title	Cashmere Stream & Port Hill Working Group
Date	27 January 2020
Time	6pm to 8pm
Venue	ECan, 200 Tuam Street, Ground Floor WhareKotua Room
Attendees	Annabelle Hasselman and Cr Phil Clearwater (Zone Committee), Ken Rouse (Cashmere Stream Care Group), Alisdair Hutchinson and Kathryn Bates (Ōpāwaho Heathcote River Network), Tami Woods, Shelley Washington and Lauren Hamilton (ECan).
Apologies	Gareth Oddy and Cr Sophie McInnes (Zone Committee), Diane Shelander (CCC).

Item	Discussion	Follow-up/Actions
1. Welcome/introductions, reminder/discussion around purpose of Working Group	Quick discussion was held around purpose of working group issues and role of the Port Hills Fire. It was agreed the group was about progressing actions, not writing a 'plan'.	Tami to send Alisdair the 'Pressure State Response Report'
2. Draft Working Group Terms of Reference (ToR)	Discussion was held around: 1. Clarifying the scope of the area the working group would concentrate on in the ToR, but noting the need to think about the application of actions to other parts of the Ōpāwaho Heathcote River. 2. The number of members to be invited from the Cashmere Stream Care Group and Ōpāwaho Heathcote River Network 3. Involving the two relevant Community Boards and keeping them informed of work/actions. 4. Making links over time with the Summit Society, the Schools, Craycroft Committee, other groups and industry. 5. Location and frequency of meetings (Monthly, Tuesdays or Thursdays @ South Library 6-8pm)	Tami to update Draft TOR's accordingly.

Christchurch West Melton Water Zone Committee

3. Draft 'Actions'	<p>The group discussed each of the potential actions from the November zone committee meeting and Ken Rouse in the table provided. The group did not have enough time to address the additional actions identified by Ken. Action c. Land swaps was however noted as something different to consider.</p> <p>It was agreed to look at how many of Ken's actions could be merged with the earlier actions. It was noted that actions should be clustered under the headings of 'Strategic', 'Operational' and 'Communication'.</p>	<p>Tami to update Actions to reflect conversation and cluster under 'Strategic', 'Operational' and 'Communication' and merge Ken's actions where appropriate.</p>
4. Prioritisation of 'Actions' and identification of those to highlight to CCC as part of the Zone Committee next quarterly update.	<p>Each of the group members identified their top 3-4 actions they saw as key priorities to get started on. The actions that should also be recommended to CCC @ the next quarterly update were also identified.</p>	<p>Tami to take the individual priorities and combine to identify the groups priorities for the first part of the year.</p> <p>Tami to indicate for the Zone Committee key actions to be communicated to CCC.</p>

Cashmere Stream and Port Hills Working Group

Terms of Reference

Introduction

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

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

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

Scope of location for meetings of the Working Group

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

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

Establishment and disbandment

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

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

Membership

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

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

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

Meetings

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

Purpose

The purpose of the Working Group is to:

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

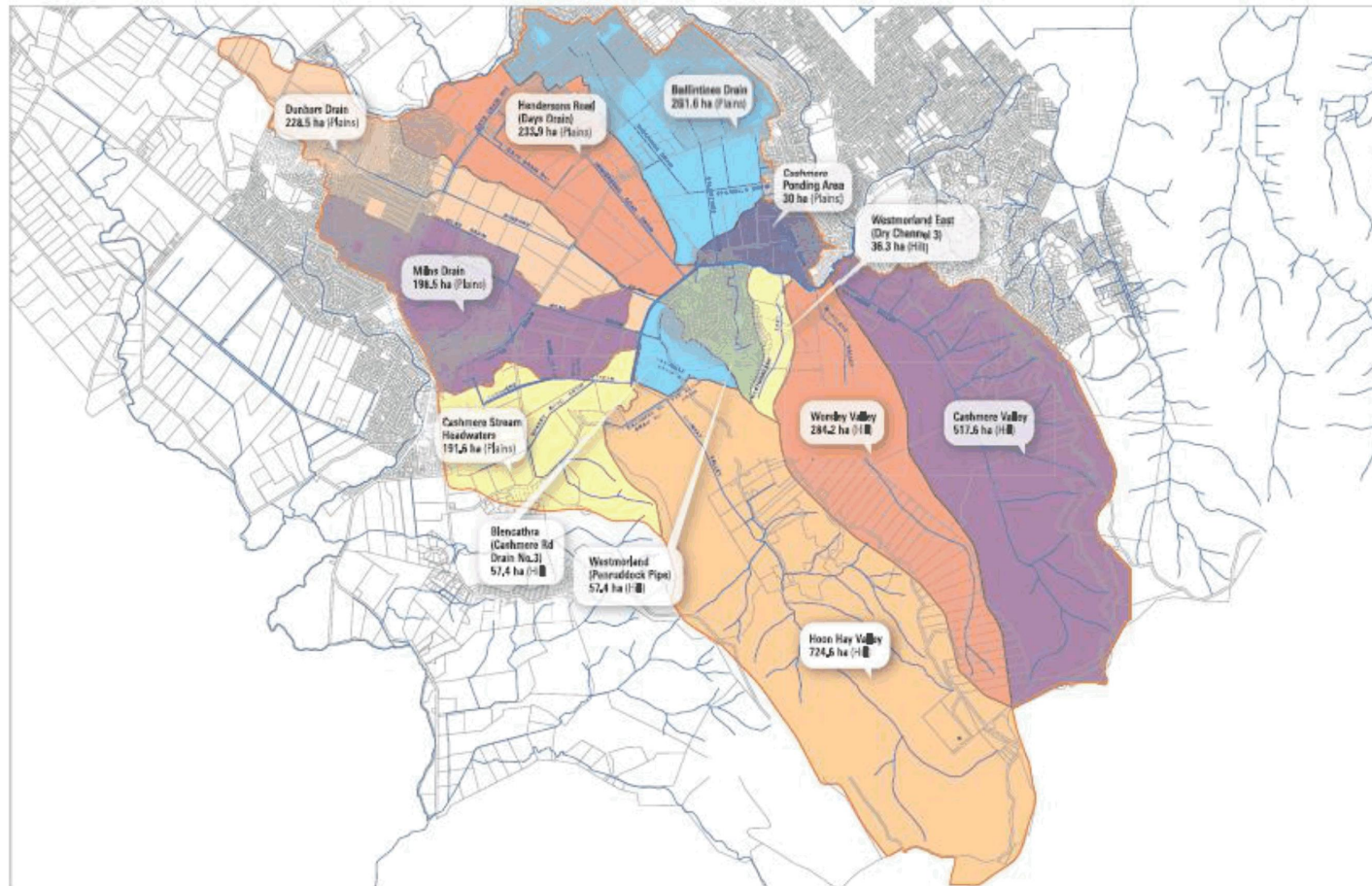
Outcome

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

Role and responsibilities

The Working Group will:

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



Cashmere Stream & Port Hills Actions and Priorities

The following table identifies potential actions to:

- improve the current management; or
- raise awareness of the issue.

On 27 January the Working Group's identified the following actions as their priorities to progress in 2020:

1. Strategic Action No 1: Identification of Priority Areas
2. Operational Action No 1: Compliance Priority
3. Operational Action No 2: Worsley Paper Road
4. Operational Action No 3: Erosion and sediment control management and training
5. Communications Action No 1: Workshop on the publication "Water clarity of Cashmere Stream Catchment"
6. Operational Action No 4: Land Swap.

Other actions that ECan and CCC staff will progress alongside the Working group priorities include communications actions 2, 3 and 4.

Strategic Actions	Detail	Steps to date	Suggested next steps for Working Group to consider
1. Identification of Priority Areas	The Working Group leads the identification of priority areas where erosion and sediment issues exist in the Cashmere catchment, commencing with carrying out a "rainy day inventory" of sediment sources with support from ECan, CCC, and Community Group volunteers.		Start with one catchment, current knowledge and prepare programme for first rainy day inventory. Extend invite to participate to CCC and ECan Councillors and community Board.
2. Spatial & Temporal Picture	Prepare a 'spatial & temporal picture' (such as simple PowerPoint slides of current, what current will look like when plants fully grown, and what could be the potential with some		To follow Strategic Action No 2.

	additional connecting projects) with support from Ecan and CCC staff, for the Cashmere Stream catchment that identifies planned planting, land drainage activities and the location of additional actions that would also help to further mitigate risks of sediment loss and increase biodiversity and recreation values. The 'spatial & temporal picture' is then communicated to key organisations and landowners for the purpose of inspiration and motivation and opportunities to progress additional actions explored.		
3. Letters	The Committee sends letters to key organisations involved in planting and protection in the Port Hills, stating the Committee's concern about Cashmere Stream and Heathcote River/Ōpāwaho and interest in discussing any potential joint projects that might contribute to mitigation.		Working group to identify who to send to, and what is included in letters (May be two stages of letters. The first raising awareness the second with info on priority areas for combined focus) Tami/Shelley to draft on behalf of working group/committee
4. Public walkways along Cashmere Stream	Advocate to CCC to provide public walkways along Cashmere Stream to connect the headwaters of Cashmere Stream at Sutherlands road to the Hendersons road wetlands. Council now own contiguous land to make this a reality. This will highlight to walkers and cyclists that the loess sediment into Cashmere stream arises from 3 ephemeral tributaries...namely Hoon Hay Valley, Worsleys Valley and Cashmere Valley streams.		To be determined

Operational Actions	Detail	Action to date	Proposed next steps
1. Compliance priority	Recommend to ECan and CCC that the Cashmere Stream and the Port Hills becomes a compliance priority	Accepted as ECan Zone Delivery priority	The Zone Committee formally recommend to CCC at next Three Water and Env Committee update Also communicate to the Community Boards
2. Worsley Paper Road	Recommend to CCC that: <ul style="list-style-type: none"> a. The eroded parts be reshaped and surfaced; b. It be closed permanently to public vehicles; c. Cut off drains and planted swales be created in key locations. 		Establish who manages @ CCC and ask they to come to a Working Group meeting to discuss, challenges options, etc
3. Erosion and sediment control management and training	<u>Training of Council staff</u> ECan and CCC joint staff "Stormwater Advisory Team" (SWAT) put in place steps to ensure staff are well trained to review erosion and sediment control plans and monitor performance.	Paper being prepared for next SWAT to analyse where staff training levels are at and additional needs	Hear from ECan and CCC experts about 'in ideal world' what would they like to see in place to make a difference to management.
	<u>On-going support for contractors training</u> (this additional action arose during ZC meeting discussion (see Minutes 11(2)(f))		
	<u>Worsleys Road subdivision ineffective stormwater management</u> Above Hoon Hay Valley on one of the small subdivisions at the top of Worsleys Road		To follow-up with CCC around management of stormwater from development given development has been wound up.

Operational Actions	Detail	Action to date	Proposed next steps
	storm water is collected from roads and housing and collected into a central receiving area then discharged down a steep gully via an unformed open ditch that scours and conducts sediment from the surrounds.		
	<u>Christchurch Adventure Park</u> Understand measures they plan to take to deliver on the assurances they gave to the Ecan commissioners at the consent hearings on sediment control and surface maintenance.		Hear from the Councils around how development is being managed.
	<u>Forestry</u> Seek improvement on the current forestry code of practice both in terms of harvest but also planting models.		Hear from Council expert on the forestry code of practice comes to a Working Group meeting to discuss current controls, opportunities to influence, etc
	<u>Installation of storm water capture and treatment systems before any works starts</u> Seek that developers install and stabilise storm water capture and treatment systems well before any civil earthworks are started		To be determined
4. Learning from Experts	Sponsor a leading practicing West Coast USA Civil Engineer from say Oregon or Washington State on a 3 day visit to Chch to tour our civil projects on the Port Hills(both completed and under construction) and have him evaluate our processes and		To follow on from Operational Action No 3.

Operational Actions	Detail	Action to date	Proposed next steps
	outcomes in terms of best practice in their own environment with a view to addressing the civil contractors annual conference.		
5. Land Swap	Investigate opportunities for land use swaps between private land owners and CCC which could be beneficial to all parties including the receiving waters.		To be determined
6. District Plan	<p>Recommend to CCC that, as part of the next district plan review, further subdivision in the Cashmere Catchment and Port Hills should be strongly discouraged through plan policies and rules so the Council is able to meet the water quality standards in the Comprehensive Stormwater Consent.</p> <p>Look at whether district plan can oblige developer to install and have a turbidity meter serviceable at site discharge points, particularly during all storm events with limits set on the consent. And, look at how strict sediment loss limits on all major earthwork sites are, and if effective.</p>		Her from CCC planning about current District Plan controls, and opportunities, etc
7. Timing of Hoon Hay valley storm water captured	Encourage CCC engineering staff to have the Hoon Hay valley storm water captured by the Henderson basin wetlands before the start of winter 2020		To be determined

Communication Actions	Detail	Steps to date	Suggested next steps for Working Group to consider
1. Workshop on the publication "Water clarity of Cashmere Stream Catchment"	Supports the Cashmere Stream Care Group to contract EOS to deliver a workshop on the publication "Water clarity of Cashmere Stream Catchment" to community groups linked to the Ōpāwaho Heathcote River.		To get a quote for presentations at a workshop(s) from EOS. To look at a presentations to the Network Groups Community Workshop and also several additional meetings with different groups (community board, residents association, etc)
2. Video(s)	Recommend to CCC that a short and engaging video (including drone footage and interviews) is created for the community about land drainage work being undertaken in Cashmere Stream and down the Ōpāwaho Heathcote River to alleviate flooding, reduce sediment, increase biodiversity, mahinga kai and recreational activities	Advice to date is that there is no budget for this in the 2019/20 financial year.	Committee recommends to CCC at the next quarterly update that CCC communicate the great work that is being done around land drainage.
	Short engaging video on what groups are doing in the catchment and the things people can do @ home to help minimise impacts on catchment waterways (this additional action arose during ZC meeting discussion (see Minutes 11(2)(c) and (d))	Staff follow-up on what it would take and costs to undertake.	Working Group to scope what video would cover, content and audience.
3. Signage	Recommend to CCC and ECan that small basic signs be developed and placed at key locations on sites on residential streets on the Port Hills to educate residents on flora and fauna associated with the river, the story that water clarity limits are essential to the long term survival of these creatures and what they should and shouldn't expect	Discussion with ECan comm's has started	Working group to input into what signs should cover. Look to change focus onto new subdivision development having signs at entrances to their developments and following up as to whether this could be required as a consent condition.

	to see in terms of erosion and sediment control on small sites and the number/app to use to report this. This will enable compliance staff to take action and also help drive individual homeowner and industrial responsibility.		
	Joint venture with CCC to develop and install educational facts and story boards along tributaries and the Mainstem of the Cashmere and Opawaho Heathcote streams where members of the public walk and congregate. This is particularly needed in new subdivisions of which there are 6 in the Cashmere catchment. this opportunity to educate will ensure that new residents also become guardians of the streams.		Action alongside Communication Action No 3
4. Convey the issues to the public	The Committee supports Cashmere Stream Care Group and Ōpāwaho Heathcote River Network with work to convey the problem to the public. This may include using the Committee webpage and social media from the committee and other mechanism jointly identified.		Take existing information and build factsheets, website materials, info for Facebook the groups can use

12. Immediate Steps Cashmere Stream Enhancement Project - Stage 4

Reference / Te Tohutoro: 20/176033

Report of: Kate Hunt – kate.hunt@ecan.govt.nz
Item Timing – 15 minutes

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to confirm the allocation of Immediate Steps funds to the project outlined in the report.

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the Immediate Steps Biodiversity Projects report.
2. Support the below Immediate Steps project application with the remaining funds from 2019/2020 and partial funding from 2020/2021.

	2019/2020	2020/2021	Total
Cashmere Stream Enhancement – Stage 4	\$6,232.82	\$7,683.18	\$13,916

3. Report/Background

- 3.1 The Immediate Steps (IMS) funding programme was launched in 2010 as part of implementing the Canterbury Water Management Strategy. Alongside planning and other measures, this funding is used to contribute to aligning or reversing the decline in indigenous biodiversity associated with the increasing use of water resources in Canterbury.
- 3.2 The Christchurch West Melton Zone Committee has \$104,500 of Immediate Steps funding per year to spend on projects to protect and restore Biodiversity.

4. 2019/2020 Project Applications

- 4.1 The table below outlines the projects supported so far in the 2019/2020 financial year:

Project	FY 2019/20 Funding allocated
Albert Stream Enhancement Project – Stage 3	\$16,000
Dry Grasslands Park Project	\$21,000
Kowhai Sanctuary Extension and pericoptus reserve	\$3,197
Ngātapa – Coutts Island	\$46,060.18
Otukaikino Stream Enhancement – Clearwater Section	\$12,010
Total	\$98,267.18 (\$6232.82 remaining)

- 4.2 This financial year (2019/2020) there is \$6,232.82 remaining and there is one project for consideration, to be part funded with 2019/2020 and 2020/2021 funding:

Project	FY2019/2020	FY2020/2021	Total
Cashmere Stream Enhancement – Stage 4	\$6,232.82	\$7,683.18	\$13,916

Attachments

There are no appendices to this report.

13. Ōtūkaikino Catchment - Urban Contaminants Working Group Update

Reference / Te Tohutoro: 20/177805

Nick Moody – nick.moody@ecan.govt.nz

Report of:

Tami Woods – tami.woods@ecan.govt.nz

Item Timing – 15 minutes

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is for the Christchurch West Melton Water Management Zone Committee to be provided with:
 - 1.1.1 An outline of the information provided to the Urban Contaminants Working Group meeting on 12 February about the Ōtūkaikino Catchment and a summary of key management issues discussed; and
 - 1.1.2 Recommended next steps.

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Notes the information provided to the Urban Contaminants Working Group meeting on 12 February about the Ōtūkaikino catchment.
2. Recommends to Environment Canterbury that they prioritise work with farmers in the catchment and the Clearwater Development to help reduce sediment loss and improve spring head protection.
3. Visits the Ōtūkaikino catchment as part of their March meeting, receives a summary of information provided to the Urban Contaminants Working Group, and further explore potential actions.
4. That the Committee further explores with Mike Patchett, Chair of the Water and Wildlife Habitat Trust, the idea of developing an Action Plan for the catchment.

3. Report

Summary of Working Group Meeting 27 January 2019

- 3.1 The Working Group received information on the following:
 - Groundwater quantity and quality;
 - Instream ecological health;
 - Cultural significance of the catchment;
 - ECan 2019 Action Plan Progress, ecological restoration projects and farm ownership; and a
 - Summary of key 'farm management responsibilities'.
- 3.2 Attachment 1 includes a copy of the Ōtūkaikino River and Tributaries Summary of Instream Ecological Health map presented at the meeting.

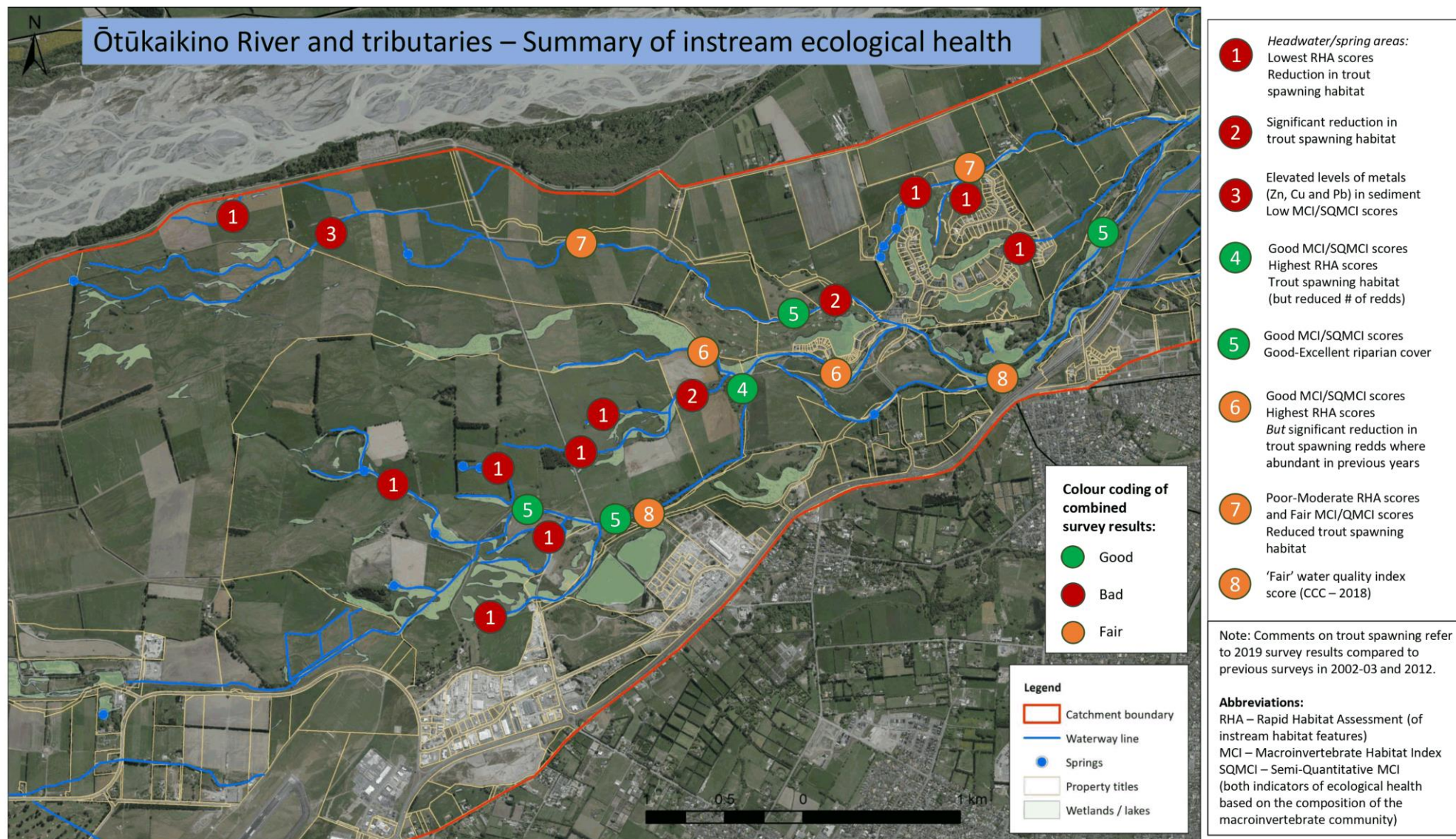
- 3.3 The meeting was also attended by Mike Patchett, Chair of the Water and Wildlife Habitat Trust, who talked about undertaking a 5-10 year Action Plan for the catchment.
- 3.4 Key management issues that were discussed as part of the presentations included: the need for better management of sediment loss, the spring heads; the clear link between where restoration activities had been undertaken; and the good quality of the in-stream habitat.

Recommended next steps

- 3.5 At the end of the Working Group meeting the following next steps were discussed:
- 3.5.1 That the Zone Committee should recommend to Environment Canterbury that they prioritise work with farmers in the catchment and the Clearwater Development to reduce sediment loss and improve spring head protection;
- 3.5.2 That the Zone Committee visit the catchment as part of their March meeting, receive a summary of information provided to the Urban Contaminants Working Group, and further explore potential actions.
- 3.5.3 That the Committee discuss with Mike Patchett, Chair of the Water and Wildlife Habitat Trust, the idea of developing an Action Plan for the catchment.

Attachments

No.	Title	Page
A ↓	Ōtūkaikino Science Summary	41



14. Glyphosate use by Christchurch City Council

Reference / Te Tohutoro: 19/1484222

Diane Shelander, Senior Policy Analyst –

Presenter(s) / Te kaupāhō: diane.shelander@ccc.govt.nz

Item Timing – 10 minutes

1. Purpose of Report / Te Pūtake Pūrongo

- 1.1 The purpose of this report is to update the Zone Committee on the City Council's use of glyphosate.

2. Executive Summary / Te Whakarāpopoto Matua

- 2.1 At the 28 November 2019 Zone Committee meeting City Council staff were requested to follow up on the status of the Council's glyphosate use.
- 2.2 The Committee had previously received a report on glyphosate use by the City Council at the Committee's 22 June 2017 meeting.
- 2.3 In accordance with its decision in mid-2017 the City Council has limited its use of glyphosate, where it is practicable to do so.
- 2.4 Alternative herbicides, such as fatty acid based herbicides cannot be used around waterways, so where possible physical removal of pest plants is undertaken. Where physical removal of pest plants is not effective and/or practicable, glyphosate is used.
- 2.5 When and where use of glyphosate is sought, prior approval must be granted. Attachment A is the approval form to be used in each instance in which glyphosate use is sought.

3. Staff Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

1. Receive the information in the report.

4. Context / Background / Te Horopaki

Background

- 4.1 On 10 March 2016 Christchurch City Council resolved:

CNCL/2016/00117

Part A

That Council:

1. Should it wish to consider an alternative methodology for open space management than the current -

a. Adopt Option 2, significant reduction to glyphosate use, limited to sites closed to public, e.g. to facilitate capital works programmes, and to control pest plants where no other method is practicable, and to utilise a combination of Fatty Acid herbicides and physical techniques, as the preferred option; and

b. Increase the capital and maintenance budgets of the respective operations units as detailed within this report.

2. Consult with the public via the Draft Annual Plan Consultation Process on its proposal and the other options, including the proposed change to the maintenance and capital budgets required.

3. Request staff continue investigations into alternative methodologies for open space management and report back to Council within two years.

4. That the Council write to Land Information New Zealand, informing them of its decision over the use of glyphosate in its parks and reserves, urging them to review the use of glyphosate in the residential red zone and offering Council staff to work with them.

5. Request staff to ensure that Health and Safety regulations are complied with by all staff and contractors undertaking open space management.

4.2 'Option 2' referred to in the 10 March 2016 Council resolution is a combination of physical and fatty acid herbicide techniques for use in public spaces as alternative to glyphosate, with limited use of glyphosate where it is the only practicable method. The methodology is outlined in the table below.

Techniques	High pressure steam	Manual techniques	Fatty Acid herbicide	Capital renewal investment	Glyphosate
Location					
Parks	Hard surfaces and edges	Weed-eating, e.g. playground surrounds & ornamental gardens (existing LOS), reserve frontages with high visual profile.	Amenity gardens - spot spray garden and spray turf edges where no risk of chemical run-off into waterways or drainage systems.	Renew all garden mulch to optimum levels to suppress weeds.	Parks
Road network	Hard surfaces and edges	Introduce mechanical edging and specialist equipment for mowing around posts to minimise edging requirements	Road Landscape gardens - spot spray where no risk of chemical run-off into waterways or drainage systems.	Road network	Hard surfaces and edges
Waterways	Not applicable	Significant increase in manual weed-eating away from waterway	Cannot be used	Increase edge (riparian) plantings to minimise manual weed eating (Limited scope due to ownership of land parcels by third parties).	Utilise only in circumstances where no other appropriate technique is available for management (eradication or control) of priority pest plant species near waterways.
Other Council properties, e.g. Libraries,	Hard surfaces and edges	Weed-eating e.g. bollards, buildings, furniture etc.	Amenity gardens - spot spray where no risk of chemical run-off into waterways or drainage systems.	Other Council properties, e.g. Libraries, Leisure Centres	Hard surfaces and edges

Leisure Centres					
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- 4.3 The Council publicly consulted on the proposal to limit use of glyphosate during the consultation on the draft 2016/2017 Annual Plan, as there were cost implications with the proposed change.
- 4.4 The Council confirmed plans to reduce glyphosate use with the adoption of the 2016/2017 Annual Plan, with an extra \$1.8 million in 2016/2017 allocated for pest control to cover the cost of alternatives where glyphosate would not be used.

Current herbicide practice

- 4.5 Across the City Council's operations in which pest plants are managed, use of glyphosate conforms to the Council's 2017 Annual Plan decision. Where alternatives are not appropriate and glyphosate use is sought, prior written approval must be obtained. Attachment A is the approval form to be used in each instance in which glyphosate use is sought.
- 4.6 Where herbicides are used they are applied by 'Growsafe' certified operators, and in accordance with both NZS 8409: 2004 Agricultural Users Code of Practice and Christchurch City Council policy.
- 4.7 The Council's Parks Unit has responsibility for maintenance of public 'greenspace', such as neighbourhood parks, larger parks and sports parks.
- 4.8 In accordance with the Council's 2016 resolution the Parks Unit only uses glyphosate for weed control parks spaces under the guidelines adopted in the resolution. The Parks Unit have limited glyphosate use to sites closed to the public, e.g. to facilitate capital works programmes and to control pest plants where no other method is practicable.
- 4.9 In the current financial year approximately \$642,000 is budgeted for Parks Unit operations for glyphosate alternatives.
- 4.10 The Council's Waterways team maintains margins around waterways, including the main rivers, tributaries and drains. Herbicide around waterways is used only for the control of noxious weeds and pest plants. All other vegetation around waterways is maintained manually.
- 4.11 The Waterways team have investigated using reduced concentrations of glyphosate. The trial indicated that there was no observable difference in the effectiveness at 50% of the recommended concentration so the team have adopted this approach to reduce the overall volume of glyphosate used.
- 4.12 The Waterways team have investigated alternative options used by other Council units. The high pressure steam system is ineffective in the riparian zone due to the steam cooling and condensing too quickly. Fatty acid based herbicides, which are common alternatives to glyphosate based herbicides, cannot be used around waterways as they can be toxic to aquatic life. The Waterways team is currently investigating the suitability and effectiveness of Foamsteam, a variation of the high pressure steam system, around waterways.
- 4.13 The Council's Transport Unit maintains landscaping on road margins, pavement and amenity gardens. Herbicide spraying is undertaken at times of the day to cause as little inconvenience to the public as possible. Spraying is prohibited near shopping centres and other high use pedestrian areas between 8am and 4pm Monday through Saturday. Herbicides are not to be used within 250 metres of educational or day care facilities or community centres for one hour

before and for one hour after the time these facilities are in use. For example spraying would not occur near a school between 8am and 9am or between 3pm and 4pm.

- 4.14 Where alternatives are ineffective and/or not practicable, glyphosate based herbicide can be used by Council units, for which prior approval must be obtained (see Attachment A, Glyphosate use approval form).

Electrothermal weed management trial

- 4.15 A trial of an electrothermal weed removal technology was trialled in 2019. Seven organisations — including Avon-Ōtākaro Network, City Council's Parks Unit and City Care — took part. The trial was undertaken at a number of sites along the Ōtākaro Avon River. A number of various plant species were targeted, such as couch grass, crack willow and yellow flag iris. Treatment was successful in initially destroying above-ground vegetation of the targeted pest plants but the trial was considered to be unsuccessful as re-growth occurred, in many instances very soon after treatment.
- 4.16 The trial was funded by a grant from the City Council's Innovation and Sustainability Fund granted provided to Avon-Ōtākaro Network. The total cost was about \$21,000.

Attachments / Ngā Tāpirihanga

No.	Title	Page
A ↓	Glyphosate Use Approval Form	47

Confirmation of Statutory Compliance / Te Whakatūtutanga ā-Ture

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

(a) This report contains:

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

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

Signatories / Ngā Kaiwaitohu

Author	Diane Shelander - Senior Policy Analyst
Approved By	Emma Davis - Head of Strategic Policy Brendan Anstiss - General Manager Strategy and Transformation

Glyphosate use on Christchurch City Council land

A decision was made by Council to change how herbicides containing the chemical glyphosate are used in spaces controlled by the Christchurch City Council. The policy came into effect at the beginning of the 2016 financial year.

The decision: To use a combination of alternative physical and Fatty Acid herbicide techniques to significantly reduce glyphosate use in public spaces.

The use of glyphosate in space controlled by the CCC is now limited to sites closed to the public, e.g. to facilitate capital works programmes, and for the control of pest plants where no other method is practicable, e.g. when killing an established pest plant either by digging it out or by using a different herbicide would be ineffective or inconsistent with the conservation of biodiversity values.

See HPE: 16/81387 for further detail on the decision made.

This document has been created to ensure staff and contractors are aware of the Council policy and follow a consistent approach for glyphosate use and recording.

These guidelines are based on taking all reasonable steps and measures:

- to minimise environmental impacts
- to avoid exposure of the public to glyphosate
- to minimise exposure of the applicator and other staff to glyphosate

Requirements

Approval is needed to use glyphosate from your Team Leader/Contract manager (using the attached request form).

The control efforts must be reported to your Team Leader/Contract Manager within 2 months following control.

EPA conditions for glyphosate must be met.

The manufacturer's guidelines must be followed.

Applicators are to have valid GrowSafe Introductory Certificate – and follow GrowSafe guidelines.

Measures to mitigate health and safety concerns

Investigation of alternative methods completed before request.

Avoid park visitor contact

- Specified signage to exclude public
- Fencing with barriers (until herbicide has dried) to exclude public
- Fencing with tape (until herbicide has dried) to exclude public

Minimising exposure to herbicide applicator

- PPE (e.g. Overalls, masks, protection eyewear)

Glyphosate Request Form

This request form is to be used to apply for approval from Team Leaders or Contract Managers for the use of herbicide containing glyphosate on space controlled by Christchurch City Council. If approval is obtained, reporting of the control must be supplied to the “approver” within 2 months of control.

This form as well as the relevant ‘reporting of control’ document is to be saved into HPE: **FOLDER17/298 - Glyphosate Approval Forms**

Name:

Date:

Site:

Size:

Control Dates/Times:

Herbicide formulae, herbicide volume and the proposed method of application:

Rationale for use:

Measures that will be met to mitigate health and safety concerns:

Were alternative methods investigated (explain)?

Will signage be used (describe)?

Will fencing be used (describe)?

What PPE gear will be worn (explain)?

Approved/Declined by

Position:

Date:

15. Facilitator's Update

Reference / Te Tohutoro: 20/178559

Report of: Tami Woods – tami.woods@ecan.govt.nz
Item Timing – 10 minutes

1. Purpose of Report / Te Pūtake Pūrongo

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

2. Officer Recommendations / Ngā Tūtohu

That the Christchurch West Melton Water Management Zone Committee:

- Note the upcoming events and updates.

3. Report

3.1 Events since last meeting

Event	Who	Comment
Īnanga Celebration Day for 'Early Childhood Environment Investigators'. Date: Tuesday 3 December Location: Murray Aynsley Park, Opawa - north of Hansen Park, south of Opawa School Time 10:00-12:30.	Public	EOS ecology was been working with six early childhood centres to increase their understanding of local freshwater environments and Īnanga. They looked after Īnanga in tanks in their preschools and released them back to the Ōpāwaho/Heathcote River during the celebration.
Brooker Reserve Date: 8 December Time: 2:30 pm - 4:30 pm Venue: 17 Brooker Ave Christchurch	Public	Planting, weeding invasive weeds and possibly spreading some mulch.
Travis Wetland Date: 21 December Time: 8:00 am - 5:00 pm Venue: Travis Wetland 280 Beach Road, Christchurch	Public	Working bee.
Avon Ōtākaro Forest Park Date: 29 January Location: 93 Cowlshaw Street Time: 5:30 pm - 7:30 pm	Public	Working Bee.
Travis Wetland – World Wetlands Day Date: 2 February Location: Travis Wetland, Education Centre Time: 10am	Public	Guided walk followed by morning tea
Travis Wetland / Ōruapaeroa Monthly Working Bee	Public	Working bee.

Date: 15 February Location: Travis Wetland Time: 9:00 am - 12:00 pm		
‘Summer in the Styx’ Styx Living Laboratory Trust Date: Sunday 16 February Location: CCC reserve at 303 Radcliffe Road Time: 11 am and 3 pm	Public	Day that celebrated and promoted research and learning associated with the Styx River catchment. The Committee Stormwater Superhero stand was at the event. Helen, Kevin, Sophie, Gareth and James attended the event and helped with the stand.
Port Hills Autumn plant maintenance Date: 22 February Location: Meet in the small car park behind the Victoria Park Information Centre Time: 12:45 pm - 3:15 pm	Public	Working bee @ Marleys Hill

3.2 Upcoming Events – Visit www.ecocanterbury.org.nz

Event	Who	Comment
Port Hills Autumn plant maintenance Date: 29 February Location: Meet in the small car park behind the Victoria Park Information Centre Time: 12:45 pm - 3:15 pm	Public	Working bee at Dry Bush
Port Hills Autumn plant maintenance Date: 7 March Location: Meet at 20 Swanton Drive Time: 12:45 pm - 3:15 pm	Public	Working bee at Bowenvale Reserve (Huntsbury)
Travis Wetland / Ōruapaeroa Monthly Working Bee Date: 21 March Location: Travis Wetland Time: 9:00 am - 12:00 pm	Public	Working bee.
Port Hills Autumn plant maintenance Date: 21 March Location: Meet in the small car park behind the Victoria Park Information Centre Time: 12:45 pm - 3:15 pm	Public	Working bee at Marleys Hill
Grow Ō Tautahi Date: 20-22 March Location: Christchurch Botanic Gardens Time: Daily 9am – 5pm	Public	Grow Ō Tautahi 2020 is a contemporary garden festival showcasing creativity, innovation & the region’s love of gardens, design & outdoor living. Would the Committee like to have a Stormwater Superheroes stand at the event?
What’s your poison? – Kim Hill hot topic 2020 Date: 26 March	Public \$5 KOHA	Panel discussion that will examine such issues as: Pesticides – good or evil?

Location: Lincoln University, Stewart Building, Lecture Theatre One Time: 6:30 - 9:00 pm Register @ https://www.eventbrite.co.nz/e/whats-your-poison-kim-hill-hot-topic-2020-registration-81233831577	on the door	What is fact or myth in the management of pests, diseases and weeds? Are these agri-chemicals helping or harming us and the environment? Panellists: Ian Shaw Professor of Toxicology Steve Wratten Distinguished Professor of Ecology Jacqueline Rowarth Agri-environment Analyst Hamish Marr Methven Arable Farmer
Duck Down to the River Event 2020 Time: 1pm till 4pm Date: Saturday 28th March Location: Kerrs Reach	Public	Duck Down to the River - Riverside Festival, featuring: * Duck race * "Have a go" water activities * Music * Food

3.3 Updates

Committee member changes

The November meeting was the last meeting for Herewini Banks. The Committee welcomes Kylie Jane Phillips as the new Rūnanga representative from Te Rūnanga o Ngāti Wheke.

Next quarterly update to Christchurch City Council

The next quarterly update to Christchurch City Council from the Committee is currently scheduled for 25 March.

Following on from the last report the Three Waters Infrastructure and Environment Committee made the following recommendation back to the Zone Committee.

6. Water Management Zone Committees Update Report

Committee Comment

1. The Committee, noted the recommendation from the Christchurch-West Melton Zone Committee that the Council become a signatory to the Community Waterways Partnership Charter, and the strong support for this from the deputations received in relation to this report.
2. In response to the concern raised by the Chair of the Christchurch-West Melton Zone Committee relating to sediment from run-off the Committee requested information be included in the next Three Waters report on sediment control in the Port Hills.

Staff Recommendations / Ngā Tūtohu

That the Three Waters Infrastructure and Environment Committee:

1. Receive the information in the Water Management Zone Committees' update reports

Zone Committee Annual Report

Attachment 1 includes the final 2019 Annual Report from the Committee. This is scheduled to be presented to:

- Environment Canterbury on 12 March
- Christchurch City Council on 25 March, as part of the quarterly update; and
- Selwyn District Council on 22 April.

Confirmation as to who would like to present the reports to the Council's is arranged.

WaterShed Conference for Zone Committee members

8-9 June 2020. Save the Date e-mail coming soon.

Multi-agency response to identify risks from legacy landfills

Earlier in the year, Committee members had enquired about the risks within the Christchurch West Melton Zone around legacy landfills. In November I noted that Environment Canterbury staff involved in the project were happy to provide the Committee with an outline of the project in the New Year. They have subsequently recommended that the best time to receive a presentation will be at the end of Phase 2, later this year.

Isla Hepburn from Environment Canterbury who manages the project as the convenor of the Council contaminated land and waste special interest group, and is a senior scientist for contaminated land and waste at Environment Canterbury, has provided the following information in the interim.

Environment Canterbury currently convenes the regional sector Contaminated Land and Waste Special Interest Group.

In our role as convenor we are leading a national project to identify the risk from existing and historic landfills on behalf of the regional sector, Ministry for the Environment, and in collaboration with LGNZ and DOC. This project is in part responding to the issues raised by the recent erosion of a historic landfill by the Fox River in Westland. We are currently in the initial phase - funded by the Ministry for the Environment – which involves a scoping exercise to review and understand the natural hazard and landfill information currently held by councils. This phase will also develop a feasible approach and a risk-screening and assessment tool for use around New Zealand.

Phases two and three of the project will see the application and piloting of the landfill risk-screening tool in Canterbury, the West Coast and Southland (costs will be shared by all regional councils, with site studies funded by Environment Canterbury, West Coast Regional Council, Southland Regional Council and the Department of Conservation).

When the initial scoping work has been done, and the risk-screening and assessment piloted, the tool will then be available to other councils around New Zealand to assess the risk posed in their regions. There will be information on how to apply the tool.

The results of the risk assessments will provide the basis for management options by all levels of government for individual high-risk sites, including improving the resilience of sites to potential natural hazards and associated climate change impacts.

CCC Comprehensive Stormwater Consent

The CCC Comprehensive Stormwater Consent was finalised in January. Attachment 2 includes a copy of the media release from Environment Canterbury.

Nitrate in Drinking Water Research

Attachment 3 includes an article on 2 February from Stuff about how Scientists have now been tasked with carrying out a wide-scale review to examine possible links between nitrates in groundwater and cancer in humans.

Youth Rōpū Voice on Zone Committees

The ECan Youth Rōpū is seeking to further the voice of young people in and around ECan in regard to decisions that affect them. A main objective is to create a two-way relationship between young people and decision-makers. The water zone committee model introduced by the CWMS is a clear path to improving youth voice in the decisions that will affect them in their futures. Members of the Youth Rōpū believe that a seat at the table is the simplest way to achieve this goal.

Members of the Youth Rōpū have met together with support from ECan youth engagement staff to discuss how they would like to be involved more closely with Zone Committees. They decided that they wish to start with where there was both a Zone Committee interested in having a youth representative on their committee and where there was a Youth Rōpū member who was willing.

Following their meeting, the Youth Rōpū wrote a letter to Environment Canterbury with a proposal for youth participation on Water Zone Committees.

Youth Rōpū member, Erana Riddell showed an interest in the work of the Banks Peninsula Zone Committee and the Banks Peninsula Zone Committee has now recommended that she be co-opted to the Banks Peninsula Zone Committee.

Oscar Bloom who has attended Christchurch West Melton Zone Committee meetings last year also has the support of the Youth Rōpū to work with the Christchurch West Melton Zone Committee if the Committee were also interested in having a youth representative on the Committee.

Regional Committee Update

A summary of the Regional Committee meeting is included for reference in Attachment 4. This also includes a copy of the Report from Caroline Hart from Environment Canterbury with an update on CWMS Fit for the Future project and key central government initiatives.

Christchurch City Council Annual Plan 2020-21

Attachment 5 includes information on the release of the Christchurch City Council's draft Annual Plan 2020-21.

Attachments

No.	Title	Page
A ↓	Christchurch West Melton Annual Report	55
B ↓	Christchurch City Council's stormwater consent finalised	59
C ↓	Rethink over nitrates as Government orders review into link with cancer	61
D ↓	Summary 11 February 2020	66
E ↓	Christchurch City Council Annual Plan 2020-21	76

Christchurch West Melton Water Zone Committee

2019 Annual Report

Another successful and busy year



Arapata Reuben,
Zone Committee Chair,
Papatipu Rūnanga Te Ngāi Tūāhuriri

The Christchurch West Melton Water Zone Committee has had another successful and busy year and I want to take this opportunity to thank my fellow committee members for their commitment.

This year the zone committee has continued to get involved in local events (World Rivers Day, Meet in the Middle, Mother of All Clean Ups) to raise awareness about local water issues and in particular promote how everyone can be a stormwater superhero.

There is an old saying – “it takes a village to raise a child” – it also takes a village to improve the health of a river. As a community, we all have a role to play in understanding and improving the health of this waterway. For many of us that will mean taking small actions that when added together make a huge difference – things like picking up litter and waste from the gutter and washing our car on the grass verge.

For our local council partners that may mean making a more significant investment of time, money and resource and for local businesses it will be about making sure they manage their commercial operations to minimise the negative impact on water quality.

Personally, I have a vision of a city where our urban waterways support and sustain a wide range of activities and they are recognised for te hauora o te wai - the health of the water. This is a vision we can all share. There is no easy fix and we must take a whole of catchment approach.

Finally, I want to welcome the new councillors, Phil Clearwater from Environment Canterbury, Sophie McInnes from Selwyn District Council and James Daniels from Christchurch City Council. The committee looks forward to working with you and your fresh ideas and energy.

Please remember that the community are welcome to attend our monthly meetings. The agendas for these meetings are available on the Environment Canterbury Christchurch website.

Key achievements 2019

- More than 70 Christchurch residents joined Christchurch West Melton Water Zone Committee members in March and April on the “What’s Happening Under Our Feet” field trips.
- Celebrated the success of a remit to Ministry of Health calling for more research to investigate any correlation between nitrate levels in drinking water and colorectal cancer.
- The committee awarded six businesses with a Stormwater Superhero Business award.
- Attended a series of events to spread the Stormwater Superhero messaging. Events including Meet in the Middle, World Rivers Day and Mother of All Clean Ups.
- Received the Addington Brook - living catchment management plan at the June meeting.
- Allocated \$100,000 of Immediate Steps biodiversity funding to restoration work on the Port Hills.
- Became the first signatory to the Community Waterways Partnership Charter. The Charter supports delivery of a community water engagement programme of communication, education and awareness of the wider community required under the new Christchurch City Council Comprehensive Stormwater Network Discharge Consent.
- Four full-day erosion and sediment control workshops were run for staff from the earthworks industry and councils. 115 people were trained, the feedback was positive, and we have a waiting list for the next workshops in April 2020.

The Christchurch West Melton Water Zone Committee welcomed the announcement that the Ōtākaro/Avon River was one of the finalists in the Cawthron Foundation award for the most improved river in New Zealand.



Christchurch West Melton Water Zone Committee

Delivering the community's vision for freshwater

The Canterbury Water Management Strategy (CWMS) puts finding solutions for freshwater management in the hands of the community, with support from councils, Ngāi Tahu, and others. The strategy sets out freshwater goals and targets to deliver the community's vision for freshwater.









"To gain the greatest cultural, economic, environmental, recreational and social benefits from our water resources within a sustainable framework both now and for future generations."

Each of the ten community-led water zone committees work collaboratively to develop freshwater recommendations to ensure council plans give effect to these goals and targets.

Within each target area there are several specific time-bound targets to be achieved and these are monitored and reported on to ensure progress is being made.

The target areas are shown below – read some of the stories about what is being done in the zone to deliver these below and on the next page.

CWMS Targets

	Ecosystem health and biodiversity		Kaitiakitanga		Recreational and amenity opportunities		Irrigated land area		Regional and national economies
	Natural character of braided rivers		Drinking water		Water use efficiency		Energy security and efficiency		Environmental limits

“What’s Happening Under Our Feet” field trips

More than 70 Christchurch residents joined zone committee members in March and April on the “What’s Happening Under Our Feet” field trips.

The trips provided the opportunity for locals to find out more about Christchurch’s groundwater system, the city’s water supply and the challenges we face in managing our urban waterways.

A huge thank you to Waterways Centre for Freshwater Management, Christchurch City Council and Environment Canterbury for their support of the field trips.

The feedback from people attending was extremely positive, one person who attended the field trip said,

“To be placed at the Riverbank of the Waimakariri and then follow a drop of water through the processes to my home tap, with all the considerations needed to supply that valuable resource, became to be seen by me as a privilege, rather than a right”.



A Christchurch spring that feeds the Styx River



Deputy Chair of the committee, Kevin Brown, talks about urban waterways



Helen Rutter explains Christchurch's groundwater system

2019 Annual Report

Meet in the Middle

The zone committee had a stall at the annual Meet in the Middle event. Committee members spoke to a number of people about simple ways to protect our stormwater.

Stormwater is the water – and anything else – that flows down the drains in our footpaths and roads from urban areas. It collects rubbish, oil, chemicals, and anything else in its path, and goes directly into our streams and rivers, untreated.

Some tips for protection stormwater are: pick up your dog's poo properly, clean your car on the grass verge so the grass filters out the pollutants and ask for copper-free brake pads as they're better for our waterways. We can all do our bit to clean up our waterways!

The zone committee loves the opportunity to get out to community events and talk to the public about water and stormwater issues.



Christchurch West Melton Water Zone Committee at the Meet in the Middle event.

Port Hill Fire Recovery

The Port Hills fires that burnt through part of the iconic backdrop to the city over those few February days and nights were devastating for those home and business owners directly impacted.

Sediment from the Port Hills is a major issue for the Opawaho-Heathcote. By revegetating the Port Hills, especially the areas around gullies, it is hoped that the amount of sediment going into the river from the hill slopes will be reduced.

The zone committee team contributed \$100,000 towards Christchurch City Council's Port Hill Recovery Plan. This went towards fencing, planting and sediment control.



This year the zone committee allocated \$100,000 towards the Port Hill Recovery Plan

Stormwater Superhero Businesses

At its November meeting the committee awarded six businesses with a stormwater business superhero award for:

- Providing Industry leadership
- Demonstrating the ability to develop, articulate and implement changes in stormwater management
- Significantly contributing to the industry and wider community/industry partners
- Demonstrating high standards of ethical and business practices around stormwater.



Christchurch's Business Stormwater Superheroes. From left to right: CSP Galvanising Ltd; Canterbury University Civil and Natural Resources Engineering; Tower Junction; Hagley College; Winstone Wallboards Ltd. Absent: Resene Tower Junction.



The Christchurch West Melton Water Zone Committee was delighted to receive the Addington Brook - Living catchment management plan.

Future challenges and opportunities

Stormwater Superhero Campaign: in 2020 the committee will continue to educate and empower residents and businesses to tackle stormwater pollution. The committee will continue to call for national action to address heavy metals in urban areas.

Otukaikino Stream and wetlands: the zone committee has funded several biodiversity enhancement projects in the Otukaikino Stream and wetland area. Work has involved clearing weeds, planting riparian strips and supporting a comprehensive weed control programme. Next year the committee will study the streams water quality and decide what additional actions may be required to support kaitiakitanga targets.

Erosion and Sediment: erosion and sediment loss is a significant issue in the Heathcote/ Ōpāwaho catchment and is a key driver of poor water quality. The zone committee will continue to work with the Christchurch City Council, landowners and community groups to explore further opportunities to address erosion hotspots in the catchment.

The committee will also continue to help enhance the biodiversity on the Port Hills. This will involve working with key partners; The Christchurch City Council, landowners and community groups to help with minimising erosion and sediment losses from the hills impacting on Cashmere stream and Ōpāwaho/ Heathcote River.

Community Waterways Partnership Charter: The committee was the first signatory to the Charter. In 2020 it will be looking to all other groups involved in water management to also sign up to the Charter and help direct how Christchurch City Council best delivers on the community water engagement programme around communication, education and awareness of the wider community required under their new Comprehensive Stormwater Network Discharge Consent.

Dryland biodiversity hub: another goal for the committee in 2020 will be to continue to support actions to create a dryland biodiversity hub on the south side of Waimakariri.

Zone committee membership 2019

Phil Clearwater (ECan), Sophie McInnes (SDC) and James Daniels (CCC) replaced Tom Lambie (ECan) Pauline Cotter (CCC) and Debra Hasson (SDC) at the end of 2019.

Arapata Reuben (Ngāi Tūāhuriri
Rūnanga) – Chair

Les Wanhalla (Te Taumutu
Rūnanga) – Regional
representative

Herewini Banks (Te Hapū ō Ngāti
Wheke/Rāpaki rūnanga)

Abbie Wilson
(Community member)

Annabelle Hasselman
(Community member)

Kevin Brown (Community member)

Helen Caley
(Community member)

Gareth Oddy
(Community member)

Carly Sluys
(Community member)

Pauline Cotter (Christchurch City
Council Councillor)

Debra Hasson (Selwyn District
Council Councillor)

Tom Lambie (Environment
Canterbury Councillor)

Key Zone contacts

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Diane Shelander - Christchurch City Council Senior Policy Analyst DIANE.
Shelander@ccc.govt.nz | 03 941 8304

The Christchurch West Melton Water Zone Committee
is a community led committee supported by councils.
ecan.govt.nz/water

R19/XX E19/7749

Christchurch City Council's stormwater consent finalised

Date: 07 Jan 2020

CATEGORY: [NEWS](#)

A more environmentally friendly approach to managing how and when stormwater can be discharged into Christchurch and Banks Peninsula's waterways has been finalised.

The [Environment Court](#) has approved a settlement of Christchurch City Council's (CCC's) appeal against some conditions in the Comprehensive Stormwater Network Discharge Consent that was granted by independent hearing commissioners appointed by Environment Canterbury in June 2019.

"The settlement of this appeal represents a major milestone in the management of stormwater in Christchurch and means all stormwater discharges will now be managed under a single consent," says CCC Head of Three Waters and Waste, Helen Beaumont.

"This means there will be clear standards across the network for the management of stormwater, which should result in better environmental outcomes."

A collaborative approach

Nadeine Dommissie, Environment Canterbury's chief operating officer, says: "The consent supports the collaborative Canterbury Water Management Strategy approach between councils, Ngāi Tahu and the community to improve outcomes for water in Canterbury, and a similar approach is being taken for other stormwater network discharges throughout Canterbury.

"The consent supports leadership in behaviour change, technical innovation and community resources to achieve stormwater quality improvements in a systematic and cost-effective manner."

What is stormwater?

Stormwater is any rainwater that falls on roads, paths and other hard surfaces. It picks up pollution and flows via drains into local waterways. If the discharge is contaminated, this affects the health and water quality of local streams and rivers.

What does the consent cover?

The comprehensive consent defines the conditions under which CCC may discharge stormwater into the territory's water bodies, into land and to the coast. It includes a requirement for a reduction in contaminant loads in the discharges to improve the water quality in the receiving rivers.

The 25-year consent also covers how discharges from new developments are managed so they do not adversely affect flooding.

"We are investing millions of dollars into improving our management of stormwater so that we improve the quality of the water entering the waterways and reduce the risk of flooding," Ms. Beaumont says.

Wetland creation

"In Wigram, for example, we have lowered a large area of the Canterbury Agricultural Park to create a flood storage basin with four hectares of wetland. In a one-in-100-year storm event, the basin will

be able to store around 590 million litres of water – the equivalent of 236 Olympic-sized swimming pools – which means there’s less risk of properties flooding along the upper reaches of the Ōpāwaho/Heathcote River.

“The new wetland area provides a habitat for a number of threatened species and will also help to clean the water as it leaves the basin and flows into the Heathcote,” Ms. Beaumont says.

Storage basins

Work is also underway in the Cashmere and Worsleys valleys to create storage basins that will reduce the flood risk to properties around the lower and mid-Ōpāwaho/Heathcote.

The basins will be contoured to allow as much sediment as possible to settle out prior to water leaving the valley, which will improve water quality in Cashmere Stream and the Ōpāwaho/Heathcote. Similar stormwater management systems are being installed in the Ōtākaro/Avon and Pūharakekenui/Styx river catchments.

“We are committed to working collaboratively with Environment Canterbury to improve the quality of our waterways,” Ms. Beaumont says.

Rethink over nitrates as Government orders review into link with cancer

Dominic Harris, Feb 02 2020

Scientists have been tasked with carrying out a wide-scale review to examine possible links between nitrates in groundwater and cancer in humans.

The investigation follows pressure on the Ministry of Health from public health officials, environmental campaigners and local politicians in Canterbury in the wake of concerns raised by overseas research.

A Danish study of 2.7 million people over 33 years linked low levels of nitrates in water – far below those allowed under current drinking water standards here – with colorectal cancer.



A government-led taskforce has ordered research into whether there are possible links between levels of nitrates and colorectal cancer.

Nitrate levels are rising across parts of the country, particularly in Canterbury from dairy farming, and though drinking water is safe it could potentially leave residents at risk of falling ill from polluted supplies in the future.

There are also worries about the long-term viability of Christchurch's drinking water supply after it was discovered the Waimakariri River is not a barrier to nitrates leaching into aquifers from dairy farmland in North Canterbury.

After being repeatedly urged to investigate, the Government last year set up a taskforce to scrutinise the issue.



Dairy intensification means more nitrates are leaching under the Waimakariri River than ever before.

The group – chaired by Ministry of Health chief science adviser Dr Ian Town and including staff from three government departments, Environment Canterbury and the region's health board – has now asked scientists to scour all the data available in New Zealand for evidence of links between nitrate levels and "adverse health outcomes" – particularly colorectal cancer.

Depending on their findings, it could trigger fresh, New Zealand-specific research into the health implications of nitrates in water.

The move marks a change in direction for the Ministry of Health, which last year suggested it was happy with the current nitrate regulations and that it was unlikely there would be a change to the maximum acceptable level of nitrates in drinking water.



Canterbury medical officer of health Alistair Humphrey has repeatedly called for research into the risks to be carried out in New Zealand.

After repeated calls for further investigation from Canterbury medical officer of health Dr Alistair Humphrey, environmental charity Forest and Bird and water authorities in the region, the government has now shifted its stance.

But Christchurch City councillor Pauline Cotter, who sits on the local water zone committee, feared delaying research through being over-cautious could prove a costly delay, and urged farmers to adopt more organic methods to reduce nitrate leaching.

"It is frustrating when you feel it's wrong in your heart to have these high levels."

Town said the primary inquiry will look at nitrate levels and colorectal cancer, between which he said the Danish study had identified a potential link but not necessarily that nitrates were a definitive cause of the disease.

"If there is an association with adverse health outcomes, further more detailed research would be recommended.

"We think this is a responsible step and that we can add some information to the public research already available."

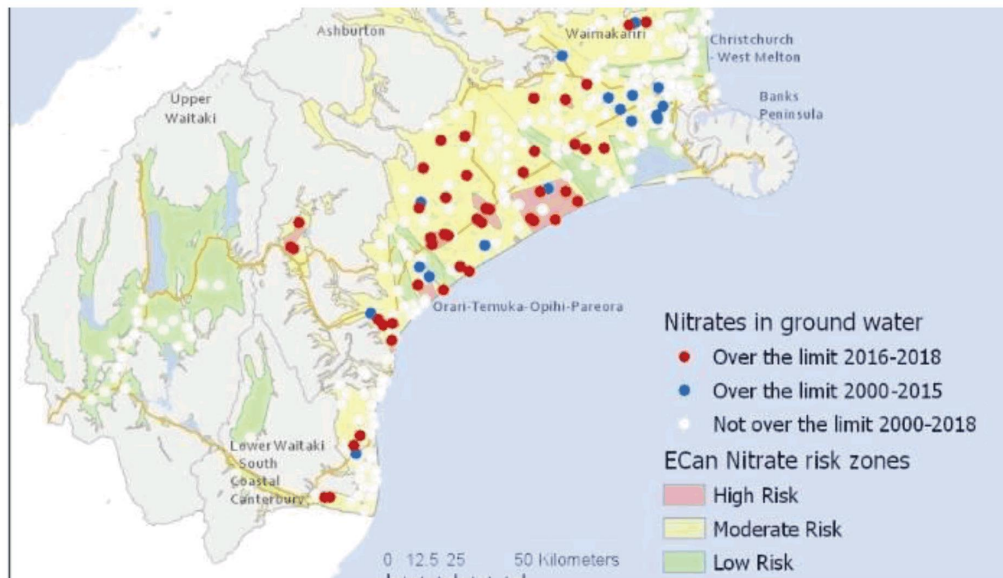


Nitrates levels had steadily climbed in Canterbury as dairy farming has intensified.

The government-led group has also written to the World Health Organisation to ask if it has plans to review standards for nitrate levels in groundwater.

"They said no, but that they are actively monitoring research around the world," Town said.

The analysis of nitrate data, including academic literature and information held by regional councils, will be carried out by a six-strong team led by University of Otago public health expert Professor Michael Baker, with preliminary results expected around the middle of the year.



This Forest & Bird map shows groundwater wells with dangerously high nitrate levels.

"The first phase is to assess the level of exposure that the population has to nitrates and the potential burden of diseases associated with these exposures."

Baker said the research was "overdue" for New Zealand.

"We need to scrutinise our environment much more closely because we have become very complacent about some emerging hazards.

"Some forms of intensive farming appear to be putting extreme pressure on our water resources that are not sustainable."



SUPPLIED

Professor Michael Baker is leading a review of data around nitrates and health risks.

Nitrates can cause blue-baby syndrome, a potentially fatal condition that stops oxygen getting around the body and poses a risk to formula-fed babies and unborn fetuses.

Last year it emerged concentrations of the chemical rose by more than 50 per cent in a single year in some bores Culverden, Rotherham and Waiau in North Canterbury.



SUPPLIED

Christchurch councillor Pauline Cotter wants research into the dangers of nitrates to come more quickly.

CWMS REGIONAL COMMITTEE

Summary of Committee meeting 11 February 2020

1. Conflict of Interest

The committee began implementing the new process to manage conflict of interest. Committee members were asked to populate the Conflict of Interest Register that will now be in every agenda. They were then asked to declare any conflict associated with the agenda before them.

2. Membership

Membership of the Regional committee is currently going through a phase of change as new council and Rūnanga representatives join the committee, zone committees appoint their representatives and community members approach their refresh.

3. 2019 Annual Report was adopted

The 2019 Annual Report was adopted (attached). The Report will be presented to Environment Canterbury by the chair in the next couple of months

4. Mayoral Forum and Central Government Update

This update provided the committee with a good overview of the work underway with the Mayoral Forum to identify initiatives TAs have underway that contribute to the CWMS and central government's freshwater and biodiversity initiatives (paper attached).

5. Priorities for 2020

With the context of the Mayoral Forum and central government work underway the committee then turned their attention to priorities for 2020. They have identified a long list that they are yet to prioritise.

2019 ANNUAL REPORT

CWMS Regional Water Committee

Comments from the Chair, Hugh Logan

The Canterbury Water Management Strategy (CWMS) Regional Committee has the job of integrating the region-wide water initiatives that collectively contribute to the goals of the CWMS. The work of the committee over the past year, and the advice and support it has provided to Environment Canterbury, are recorded in the sections that follow in this annual report.

The CWMS is the guiding framework for water management in Canterbury. It has been instrumental in placing Canterbury at the forefront of regional government in the way that freshwater water is managed. Given the multitude of interests, issues and demands that swirl around the use of freshwater, it is a challenge. Freshwater is the lifeblood of Canterbury, socially, culturally, economically and environmentally. The past decade has witnessed a generational change in how water is managed, with realization of its sensitivity to pollutants and changing climate, and the importance of healthy water and waterways.

Over the period since the inception of the CWMS ten years ago, much has been achieved – new plans and rules, local initiatives to enhance and protect waters and habitats, new infrastructure to reticulate water and new more demanding goals for the Strategy for the future. But looking after water is an ongoing job. There will be ongoing and new challenges, especially dealing with climate change, pressing forward in management of

nitrogenous pollutants, changing land use patterns, and in the short term responding to likely new national standards for water management. The CWMS is up to these challenges and so is the Regional Committee.

This past year has seen changes in the Committee membership, and there will be a further refresh of members in the coming year. As Chair, I would like to thank outgoing members Mayor Winton Dalley (an inaugural member to the Committee, who has retired as Mayor of Hurunui District), Councilor Nicole Reid, and Vicky Southworth. They have been great and valued contributors to our work.



Hugh Logan working on the CWMS 2025 and 2030 targets with Caroline Hart (Environment Canterbury) and Chris Allen (Federated Farmers and Ashburton zone committee member)

Key Achievements 2019

Evolution of the CWMS – Interim Targets 2025 and 2030

The CWMS is evolving as our understanding improves, our expectations of each other changes and new players become interested in improving the way freshwater is managed in Canterbury. When the Regional Committee reported on progress to deliver the CWMS in the 2017 Targets Report, the Committee recommended populating the Strategy with interim targets for 2025 and 2030. This recommendation was supported by

the Mayoral Forum and Environment Canterbury and resulted in the Regional Committee, with the help of many others developing new interim targets for 2025 and 2030. The Mayoral Forum approved the proposed interim targets in May 2020.

Measuring Progress - Targets Report 2019

The CWMS establishes a “direction of travel” for freshwater management in Canterbury. Progress is measured against the targets every two years. The Committee oversaw the development of the 2019 Targets Report.

The 2019 Targets Report is the fourth targets report that has been published since 2010.

A key finding of the 2019 Targets Report, like the 2017 Report, is that significant effort is being made by a variety of agencies, groups and individuals throughout Canterbury. But we are yet to see these efforts translated into real and significant outcomes. We expected there to be a time lag as natural systems adjust and we expected that we would need to adapt and adjust our actions in response to improved understanding, monitoring information and technology – but it is frustrating.

We would like to acknowledge the effort that has been made, particularly in the rural sector with the introduction of Farm Environment Plans and the independent auditing system. We shouldn't underestimate the changes that are taking place in rural sectors to improve environmental performance. The path is clear - but there is still a long way to go.

In the next couple of years we expect to see an increase in the pace of change in other target areas as councils respond to government directions on freshwater,

drinking water and biodiversity. Territorial Authorities will also be required to improve the quality of their stormwater discharges to comply with new consents and the 2025 Kaitiakitanga targets will provide real focus for zone committees to deliver mahinga kai projects in their zone.



Members of the Regional Committee, Selwyn Waihora, Ashburton and Christchurch West Melton zone committees visited a dairy farm to undertake a mock FEP audit to better understand what is involved – May 2019

Environmental Limits - Farm Environment Plans and Audits

A significant effort over the first ten years of the CWMS has been to put in place the *Land and Water Regional Plan* that sets environmental limits and a regulatory regime to govern the way water is managed in Canterbury. The Plan requires many farms to have a consent and a Farm Environment Plan (FEP) that are independently audited. There are now 1500 farms managed under irrigation scheme authorisations, and a further 1000 applications for consent have been received. The focus is now on ensuring FEP audits are undertaken and they get a passing audit grade.

The Regional Committee took the opportunity to visit a dairy farm north of the Rakaia to find out what FEPs and audits were all about and how they are beginning to change the way farms are being managed in Canterbury.

Ecosystem Health and Biodiversity - Regional Biodiversity

Across the region, zone committees have allocated \$1million to approximately 80 Immediate Steps Biodiversity Projects. Projects funded include protecting old willows for endangered Long Tailed Bat colonies (OTOP), to building artificial islands that provide protection from predators for breeding braided rivers birds (HW) to fencing covenants (BP) and planting around spring heads (SW).

The Regional Committee oversees funding for three multi-year projects that focus on weed and predator control on braided rivers, fish barriers and weed control in the wetland margins of Te Waihora. The committee visited the "Weed Strike Force" at work on the edges of Te Waihora and heard how thinking differently has resulted in a significant increase in the area cleared of willows.



The Regional committee and Selwyn Waihora zone committee visited the Weed Strike Force on the edge of Te Waihora - November 2019. By thinking differently this DOC/ECan project has controlled weeds on 790ha for the same cost as it once did on 400ha

Ecosystem Health and Biodiversity - Fish Screens

Improving the effectiveness of fish screens has continued to be a priority for the committee. It is fair to say that there are no "quick fixes". There are now three projects underway – one on the behaviour of native fish species as they approach screens lead by NIWA, another on

effective designs for new screens lead by Irrigation New Zealand and the third on how to improve the performance and compliance of existing structures lead by Environment Canterbury.

Since 1967 there has been rules that require fish screens on water takes. There are thousands out there, but little has been done to determine how effective they are. It was disappointing to hear that of the 32 sites Environment Canterbury visited in 2019 none were compliant with NIWA guidelines.

Improving the performance of fish screens has the potential to make a big difference to Canterbury's sport fishery and native fish species. We will continue to work with Environment Canterbury, irrigators, NIWA DOC and Fish and Game to improve existing screens, the design or new screens and our understanding of various fish species behaviour when they encounter a screen.

Recreation and Amenity

The 2019 Target Report tells us progress is slow in this area. The Regional committee explored a theoretical approach to recreation and amenity with the help Lincoln University. This approach has proved to be of limited value for our work. The committee is now turning to the zones to look for practical projects that deliver recreation and amenity values as well as continuing to improve water quality and ensure the way water is allocated takes recreation and amenity values into account.



Challenges/Opportunities 2020

- Support and inspire **collective action** to deliver the CWMS
- Focus on the **delivery of the 2025 targets**
- Continue to work with ECan to ensure **monitoring/reporting information** provides communities with the information they need
- Align and adapt to **Central Governments Freshwater Initiatives**
- Maintain momentum during a period of **change**
- Changes in **mega trends** such as changing weather and climate patterns, technology and economic, social and cultural drivers.

The Regional Committee

The Regional committee is a committee of Environment Canterbury. The purpose of the committee is to;

1. Monitor the progress of the Canterbury Water Management Strategy across the region; and
2. Provide advice to Environment Canterbury on regional issues.

The membership includes community, Rūnanga, Te Rūnanga o Ngai Tahu and council representatives. Each of the ten zone committees are also represented. The Canterbury District Health Board, Ministry for the Environment, Ministry of Primary Industries have observer status. The Department of Conservation also attends.

Committee Membership

As of 31 September 2020

Ngāi Tahu Representatives

Rebecca Clements – TRONT
Vacant – Rūnanga North Canterbury
Vacant – Rūnanga Mid Canterbury
Vacant – Rūnanga South Canterbury

Council Representatives

Mayor Winton Dalley - North Canterbury DC
Cr Nicole Reid – Mid Canterbury DC
Cr Sara Templeton - Christchurch City Council
Peter McIlraith – South Canterbury DC

Environment Canterbury

Cr Peter Scott – ECan
Cr Claire McKay - ECan

Community Representatives

Hugh Canard
Jane Demeter
Ross Millichamp
Vicky Southworth

Zone Representatives

Cr Stuart Wilson – Ashburton
Rima Herber – Banks Peninsula
Les Wanhalla – Christchurch West Melton
John Preece – Hurunui Waiau
Ted Howard – Kaikōura
Barney Hoskins – Lower Waitaki
Phil Driver – OTOP
Benita Wakefield – Selwyn Waihora
Vacant – Upper Waitaki

Central Government

Loretta Dobbs & Phil Kirk – MPI
Nick Vincent – MFE
John Benn – DOC
Alistair Humphrey – CDHB

Agenda Item No: 8 For Discussion/Deliberation	Subject Matter: Update on CWMS Fit for the Future project and key central government initiatives
Report to: Canterbury Water Management Strategy Regional Committee	CWMS - Target/s Areas All
Report by: Caroline Hart (Senior Strategy Manager)	Date of Meeting: 11 February 2020

Purpose

The purpose of this report is to update the Regional Committee on progress towards implementation of the Canterbury Water Management Strategy (CWMS) Fit for the Future project. An overview of the suite of central government proposals that are relevant to the CWMS is also provided. This report does not require decision making from the Regional Committee but serves to provide context for discussion on the 2020 work programme.

Recommendations

That the Canterbury Water Management Strategy Regional Committee **note** the contents of the report.

Report

The report provides an update the Regional Committee on the following key initiatives:

- a) CWMS Fit for the Future Project implementation
- b) Action Plan for Healthy Waterways (Essential Freshwater discussion document)
- c) Review of Three Waters and the Water Services Regulator
- d) Resource Management System: A comprehensive review (Issues and Options paper)
- e) Resource Management Act Amendment
- f) New Zealand Biodiversity Strategy (discussion document)
- g) National Policy Statement on Indigenous Biodiversity (discussion document)

CWMS Fit for Future implementation

1. In 2018 the Regional Committee were commissioned by the Canterbury Mayoral Forum to develop CWMS goals for 2025 and 2030, and to develop advice on how implementation of these goals would be achieved. After more than a year of consultation and analysis the Regional Committee recommendations were considered by the Mayoral Forum in May 2019. This advice included:
 - a) Goals for 2025 and 2030 for all ten target areas

- b) Identification of four strategic matters required for successful implementation of the CWMS (effective mechanisms for leadership and accountability; adequate resourcing and funding; regular monitoring, reporting and review of progress; and a broad base of understanding and support for the CWMS)
 - c) A draft regional work programme to implement the goals.
- 2. In May 2019 the Mayoral Forum approved the goals for 2025 and 2030 (see [link](#) for details) and agreed that Environment Canterbury work with territorial authorities, Ngāi Tahu, industry and community partners to develop a regional work programme, with an implementation plan and monitoring framework to deliver the goals, and report progress to the Mayoral Forum.
- 3. In order to develop the regional work programme, in July 2019 the Chief Executives Forum commissioned the Operations Forum to lead the next stage of this project. At its meeting on 16 September, the Operations Forum agreed to set up a Joint Working Group with representatives from each territorial authority and Environment Canterbury. The working group will provide advice and assist with the prioritisation of a work programme relevant to each council in line with their planning to develop the 2021-2031 long term plans.
- 4. The Joint Working Group is currently developing advice and a draft regional work programme will be considered at the upcoming Joint Working Group meeting on 17 February (draft 1). The Operations Forum will review advice on the draft work programme on 16 March (draft 2). Final adjustments will then be made to the draft regional work programme based on advice from the Operations Forum (draft 3).
- 5. Comprehensive advice on a recommended regional work programme for Territorial Authorities and Environment Canterbury to ensure delivery of the 2025 CWMS goals will be presented to the Chief Executives Forum on 4 May and Mayoral Forum on 22 May. Work programmes related to Ngāi Tahu and parties with an interest in CWMS implementation will be subsequently developed.

Central Government Policy update

- 6. The **Action for Healthy Waterways** discussion document (part of the Essential Freshwater package) was released for consultation in September 2019. It set out proposals to stop further degradation and reverse past damage to New Zealand's freshwater resources. The freshwater management package focused on clarifying policy direction and setting new regulations under the Resource Management Act. Several advisory groups (Kahui Wai Māori, Freshwater Leaders, Science & Technical and Regional Councils) informed the proposals. The freshwater management package is heavily focused on clarifying policy direction and setting new regulations under the Resource Management Act.
- 7. The Action Plan for Healthy Waterway includes the following key proposals:
 - d) Discussion document on the national direction for our essential freshwater
 - e) National Policy Statement - Freshwater Management
 - f) National Environmental Standards

- g) Section 360 regulations on stock exclusion
8. A regional submission was made on the discussion document by the Mayoral Forum, and Environment Canterbury. Both submissions are attached for your reference. The Ministry for the Environment received around 17,500 submissions on the proposals. An Independent Advisory Panel chaired by retired Principal Environment Court Judge David Sheppard will be reviewing the submissions.
9. Ministers are expected to make decisions on the final content of proposed new regulations in May 2020, with a view to having the National Policy Statement for Freshwater Water, National Environmental Standards, and stock exclusion regulations in force by mid-2020.
10. The central government **review of Three Waters** is led by the Department of Internal Affairs with support from the Ministry of Health and Ministry for the Environment. Cabinet decisions on the regulatory framework for Three Waters were released on 1 August 2019. The new regulatory framework includes:
- a) a new regulator that will have oversight and stewardship of the Three Waters system
 - b) new obligations on territorial authorities to ensure access to clean drinking water, and for all drinking water suppliers to register with the regulator
 - c) lifting performance of Three Waters assets.
11. A standalone Crown entity to regulate drinking water in New Zealand was announced on 25 October 2019. The new independent regulator will be responsible for ensuring supplies of safe, clean drinking water for all New Zealand households and communities, and also provide central oversight and guidance of wastewater and stormwater regulatory functions.
12. **Taumata Arowai – the Water Services Regulator Bill** was introduced to Parliament in December 2019. This new drinking water regulator will be an independent Crown entity dedicated to drinking water quality and safety and will provide central oversight and guidance for the sector's wastewater and stormwater regulatory functions. An Establishment Unit has been created within the Department of Internal Affairs, with support from the Ministry of Health and the Ministry for the Environment, to design and operationalise the new regulator.
13. New National Environmental Standards for Sources of Human Drinking Water and Wastewater Discharges and Overflows to be released mid-2020.
14. The Government is undertaking a comprehensive **review of the resource management system** with a focus on the RMA including:
- New Zealand's physical characteristics and unique biodiversity
 - the Treaty and the relationship between iwi/Māori and the Crown
 - the significant ways we all value and connect with the environment.
15. The scope of the review includes looking at the RMA and how it interfaces with the:

- Local Government Act 2002
 - Land Transport Management Act 2003
 - Climate Change Response Act, to be amended by the Zero Carbon Amendment Bill.
16. The Government's review of the resource management system is taking a first principles approach – it is focusing on the high-level purpose, scope and structure of the Resource Management system, and the tools and mechanisms available within it. The review is wide in scope and looking at everything from purpose and principles through to fees and charges. It also includes spatial planning to enable more strategic decisions about resources and infrastructure over longer timeframes.
17. An independent panel has been established to undertake this review and has been meeting weekly since September 2019. The panel is chaired by Hon Tony Randerson QC and it released a preliminary Issues and Options paper for feedback by 3 February 2020. See the Issues and Options paper here <https://www.mfe.govt.nz/publications/rma/transforming-resource-management-system-opportunities-change-issues-and-options>
18. The panel will provide a report to the Minister for the Environment with its recommendations on reforming the RMA in mid-2020. This will include detailed policy proposals and indicative drafting of legalisation for key provisions. The Government plans to consult on the proposals once finalised.
19. The **Resource Management Amendment Bill** had its first reading on 26 September 2019. The Environment Select Committee heard submissions on the Resource Management Amendment Bill proposals late last year and is expected to report back to the House by late March 2020. The objectives of this Bill are to reduce complexity, increase certainty, restore public participation opportunities, and improve RMA processes. The Bill repeals a number of amendments made in 2017 through the Resource Legislation Amendment Bill. This Bill also supports the urgent need to improve freshwater management and outcomes in New Zealand with provisions for freshwater planning processes.
20. The **New Zealand Biodiversity Strategy** - On 5 August 2019 the Minister for Conservation released Te Kōiroa o Te Kōiora: Our shared vision of living with nature, a discussion document on proposals for a biodiversity strategy for New Zealand. Submissions to the Department of Conservation on this discussion document were due by 22 September 2019. The Environment Canterbury submission is attached for your reference.
21. The proposed strategy will replace the existing national strategy, which expires in 2020. The purpose of the strategy is to provide national direction for New Zealand's biodiversity management system. The strategy has no legislative standing but will fulfil New Zealand's international obligations under the United Nations Convention on Biological Diversity.

22. The discussion document sets out: a new vision to 2070; a set of values and principles to guide how we work to achieve this vision; eight long-term outcomes; a set of goals for 2025, 2030 and 2050 for measuring progress; five 'system shifts' to focus investment in the first five years of the strategy, along with proposed priority actions.
23. The Department of Conservation are currently considering submissions on the discussion document. The final New Zealand Biodiversity Strategy will be considered for release by Cabinet in mid-2020
24. The **National Policy Statement – Indigenous Biodiversity** was released in November 2019. Submissions must be received by 14 March 2020. A National Policy Statement – discussion document summary is attached for your reference.

Christchurch City Council Annual Plan 2020-21

At its 11 Feb 2020 meeting the Council resolved to consult on its draft Annual Plan 2020-21. The information on the draft annual plan is on the Council's agendas and minutes web site, and can be viewed here:

In HTML format -

https://christchurch.infocouncil.biz/RedirectToDoc.aspx?URL=Open/2020/02/CAPL_20200211_AGN_4039_AT_WEB.htm (main agenda)

https://christchurch.infocouncil.biz/RedirectToDoc.aspx?URL=Open/2020/02/CAPL_20200211_ATT_4039_EXCLUDED_WEB.htm (draft consultation document)

As a PDF -

https://christchurch.infocouncil.biz/RedirectToDoc.aspx?URL=Open/2020/02/CAPL_20200211_AGN_4039_AT.PDF (main agenda - see pages 13-198)

https://christchurch.infocouncil.biz/RedirectToDoc.aspx?URL=Open/2020/02/CAPL_20200211_ATT_4039_EXCLUDED.PDF (draft consultation document)

Public consultation will be held from 2 March to 2 April 2020. The consultation document and the draft annual plan will be published on the Council web site from 2 March 2020.

Some key points that may be of particular interest to the Zone Committee are the following.

Capex changes from LTP

- An overall increase of \$5.65 million in the capital programme is proposed 2020-21 annual plan, compared to the Long Term Plan, for stormwater drainage.
- An overall decrease of \$9.34 million in the capital programme is proposed 2020-21 annual plan, compared to the Long Term Plan, for flood protection.
- An overall decrease of \$3.93 million in the capital programme is proposed 2020-21 annual plan, compared to the Long Term Plan, for wastewater.
- An overall decrease of \$4.08 million in the capital programme is proposed 2020-21 annual plan, compared to the Long Term Plan, for water supply.
- Specific changes include:
 - Well Heads Improvement Programme – funding for this capital programme has been brought forward for additional well and well head work, along with funding added to backflow prevention, rezoning and smart meetings in order to meet changing water safety standards.
 - Wastewater Reticulation Renewals – Additional spending for capital projects is planned for 2020-21 to complete work from 2019-20.
 - Land Drainage Recovery Programme – Additional scope for Pump Station 205 upgrade.
 - Reduction in the Somerfield Wastewater Pump Station and Pressure Main as the project will be deferred to allow further investigation.
 - Reduction for Lyttelton rail tunnel water supply pipeline project as timing of the project is driven by a third party.

Opex changes include:

- An overall increase of \$2.3 million is proposed in the draft 2020-21 annual plan, compared to the Long Term Plan, for flood protection operating expenditure.
- An overall increase of \$4.85 million is proposed in the draft 2020-21 annual plan, compared to the Long Term Plan, for stormwater drainage operating expenditure.
- An overall increase of \$2.97 million is proposed in the draft 2020-21 annual plan, compared to the Long Term Plan, for wastewater operating expenditure.
- An overall increase of \$5.54 million is proposed in the draft 2020-21 annual plan, compared to the Long Term Plan, for water supply operating expenditure.
- Specific changes include:
 - Additional \$1.6 million for Heathcote River dredging due to carry forward from 2018-19.
 - Additional \$800,000 in temporary drinking water supply treatment costs.

Details of the proposed capital programmes for flood protection, stormwater, wastewater and water supply can be found in the Council report on pages 53-55, 66-68, 70-74, and 75-78 respectively. Definition of the capital programme prioritisation categories can be found on page 42 of the Council report.

Collectively 'three waters' accounts for a quarter of the total spend in the draft 2020-21 annual plan that the Council considered at the 11 February meeting.