

# Canterbury Water Management Strategy Waimakariri Zone Committee

## Agenda

**Monday 14 August 2017**

**4.00pm**

**Function Room  
Rangiora Town Hall  
303 High Street  
Rangiora**

**Members:**

David Ashby (Chair)  
Grant Edge (Deputy Chair)  
Michael Blackwell  
Cameron Henderson  
Carolyne Latham  
Judith Roper-Lindsay  
Gary Walton  
Nigel Harris (Te Ngai Tūāhuriri Rūnanga)  
Cherie Williams (Te Ngai Tūāhuriri Rūnanga)  
Sandra Stewart (WDC Councillor)  
Claire McKay (ECan Councillor)

Chairperson and Members

**CWMS WAIMAKARIRI ZONE COMMITTEE**

Agenda for the meeting of the **CANTERBURY WATER MANAGEMENT STRATEGY WAIMAKARIRI ZONE COMMITTEE** to be held in the **FUNCTION ROOM, RANGIORA TOWN HALL, 303 HIGH STREET, RANGIORA** on **MONDAY 14 AUGUST 2017** at **4.00PM.**

Adrienne Smith  
Committee Advisor

**Recommendations in reports are not to be construed as  
Council policy until adopted by the Council**

**BUSINESS**

PAGES

**KARAKIA**

1 **APOLOGIES AND INTRODUCTIONS**

**ANNOUNCED URGENT BUSINESS**

**REGISTER OF INTEREST**

5 - 6

*Conflicts of interest (if any) to be reported for minuting.*

**CONFIRMATION OF MINUTES**

1.1 **Minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting – 10 July 2017**

7 - 14

*RECOMMENDATION*

**THAT** the CWMS Waimakariri Zone Committee:

- (a) **Confirms** the circulated minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting, held on 10 July 2017, as a true and accurate record.

**MATTERS ARISING**

2 **OPPORTUNITY FOR PUBLIC TO SPEAK**

- 3 **COMMITTEE UPDATES** – Zone Committee Members, M Griffin (CWMS Facilitator, ECan) A Arps (Waimakariri Zone Delivery Team Leader, Ecan) 15 - 16

- Towards a Waimakariri Land And Water Solutions Programme
- CWMS Regional Committee meeting – 8 August 2017
- Waimakariri Zone Delivery – Update (refer to Item 4)
- Communications – July Communications/Media Report
- Media and Communications Report – WWZC July – 3 August 2017
- Action List

*RECOMMENDATION*

**THAT** the CWMS Waimakariri Zone Committee:

- (a) **Receive** these updates for its information and with regard to the committee's 5 Year Outcomes, drafting of the Land and Water Solutions Programme recommendations, and 2017 community engagement priorities

- 3.1 **Towards a Waimakariri Land and Water Solutions Programme** 17 - 18

*RECOMMENDATION*

**THAT** the CWMS Waimakariri Zone Committee:

- (a) **Adopt** the revised schedule to prepare the Solutions Programme recommendations (ZIP Addendum) from December 2017 to September 2018.

- 3.2 **Waimakariri Zone Committee Enewsletter July 2017** 19 – 21

- 4 **ZONE DELIVERY – QUARTERLY UPDATE** – Andrew Arps (Zone Team Manager, Waimakariri) and Murray Griffin (CWMS Facilitator Waimakariri, Ecan) 22

*RECOMMENDATION*

**THAT** the CWMS Waimakariri Zone Committee:

- (a) **Receives** this Zone Delivery Team quarterly update for their information, and in reviewing the milestones and work programme priorities of the committee's five year outcomes 2015 – 2020.

- 5 **FONTERRA SUSTAINABILITY PROGRAMMES - UPDATE** – Mat Cullen (Nitrogen Programme Lead, Fonterra) and Murray Griffin (CWMS Facilitator – Waimakariri, Ecan)

23 - 24

*RECOMMENDATION*

**THAT** the CWMS Waimakariri Zone Committee:

- (a) **Receives** the presentation and takes the opportunity to ask questions.

- 6 **GENERAL BUSINESS** – D Ashby and Zone Committee members

# WAIMAKARIRI ZONE COMMITTEE

## Register of Interests – at July 2017

Name	Committee Member Interests
<b>David Ashby</b>	<ul style="list-style-type: none"> <li>- Director/shareholder: Pineleigh Farm Limited</li> <li>- Director/shareholder: Dave Ashby Rural Consultants Limited</li> <li>- Shareholder: Waimakariri Irrigation Limited</li> <li>- Member: Cust Main Drain Water User Group</li> </ul>
<b>Michael Backwell</b>	<ul style="list-style-type: none"> <li>- Director/ Shareholder Blackwells Limited , Kaiapoi</li> <li>- Treasurer, North Canterbury Clay Target Association</li> <li>- 4HA property, Tuahiwi.</li> </ul>
<b>Grant Edge</b>	<ul style="list-style-type: none"> <li>- Director: Edge Landscape Projects Ltd, Edge Plants Ltd, and Edge Products Ltd</li> <li>- Member: NZ Institute of Landscape Architects</li> <li>- Member: Urban Design Forum</li> <li>- Member: QEII National Trust</li> <li>- Member: NZ Forest &amp; Bird</li> <li>- Member: Heritage NZ</li> <li>- 1ha property Fernside (shallow bore user)</li> </ul>
<b>Nigel Harris</b>	<ul style="list-style-type: none"> <li>- TBC</li> </ul>
<b>Cameron Henderson</b>	<ul style="list-style-type: none"> <li>- Dairy Farmer - Groundwater irrigator</li> <li>- Member - NZ Institute of Primary Industry Management</li> <li>- Member - NZ Dairy Environment Leaders Forum</li> <li>- Chairman - DairyCan - Canterbury Dairy Environment Leaders Forum</li> <li>- Treasurer and Vice Dairy Chair - North Canterbury Federated Farmers</li> </ul>
<b>Carolyn Latham</b>	<ul style="list-style-type: none"> <li>- Farmer: Sheep, beef and racehorse agistment</li> <li>- Director of Latham Ag Ltd Consulting</li> <li>- Shareholder: Silver Fern Farms, Farmlands</li> <li>- Registered Member: New Zealand Institute of Primary Industry Management</li> <li>- Member: Canterbury Ice Hockey Association</li> </ul>
<b>Claire McKay</b>	<ul style="list-style-type: none"> <li>- Dairy Farmer</li> <li>- Irrigator and shareholder: Waimakariri Irrigation Ltd</li> <li>- Holder of Groundwater take and use consents in Cust groundwater allocation zone</li> <li>- Holder of Effluent discharge consents</li> <li>- Member: Federated Farmers</li> <li>- Member: DairyNZ Dairy Environmental Leaders forum</li> <li>- Member: P21 Canterbury Industry Advisory Group</li> </ul>
<b>Judith Roper-Lindsay</b>	<ul style="list-style-type: none"> <li>- Director/ecologist: JR-L Consulting Ltd.</li> <li>- Land-owner/small-scale sheep farmer, Ashley downs</li> <li>- Fellow: Environment Institute of Australia and New Zealand (EIANZ)</li> </ul>
<b>Sandra Stewart</b>	<ul style="list-style-type: none"> <li>- Self-employed journalist</li> <li>- Land-owner, 4ha Springbank – sheep &amp; dogs</li> </ul>

<b>Gary Walton</b>	<ul style="list-style-type: none"><li>- Director, Walton Farm Consulting Ltd</li><li>- Director &amp; Shareholder, Loburn Irrigation Co</li><li>- Trustee, Rugby World Heritage Trust</li><li>- Ashley Rugby Football Club (Inc.)</li><li>- Farmer, sheep &amp; cattle, Loburn</li></ul>
<b>Cherie Williams</b>	<ul style="list-style-type: none"><li>- Member: Mana Whenua Working Party</li><li>- Tangatiaki / Kaitiaki</li><li>- NZTA Northern and Southern Bypass Rūnanga Representative</li></ul>

**MINUTES FOR THE MEETING OF THE CANTERBURY WATER MANAGEMENT STRATEGY WAIMAKARIRI ZONE COMMITTEE HELD IN THE FUNCTION ROOM, RANGIORA TOWN HALL, 303 HIGH STREET, RANGIORA ON MONDAY 10 JULY 2017 AT 3.00PM.**

**PRESENT**

David Ashby (Chair), Grant Edge (Deputy Chair), Carlyne Latham, Michael Blackwell, Cameron Henderson, Judith Roper-Lindsay, Gary Walton (departed at 6.27pm), and Sandra Stewart (WDC Councillor), and Claire McKay (Environment Canterbury Councillor).

**IN ATTENDANCE**

Mayor David Ayers (WDC), Geoff Meadows (WDC Policy Manager), Rachel McClung (WDC Senior Policy Analyst), Lionel Hume (Federated Farmers), Robert Johnson (Oxford), Jason Holland (ECan Planning Team Leader), Ryan Hepburn (Te Rūnanga o Ngāi Tahu), Lisa McKenzie (Te Rūnanga o Ngāi Tahu), Paul Reese (WIL), Jason Butt (ECan Biodiversity Officer), Anna Veltman (ECan Land Management Advisor), Matt Dodson (ECan Hydrogeologist), Meredith Macdonald (ECan Senior Planner), Larry Burke (NZ Salmon Anglers Association), Karl French (Silverstream Hatchery), Owen Davies (WDC Engineering Design Team Leader), Michael Bate (Kaiapoi), Stephen Bragg (ECan CWMS Tangata Whenua Facilitator), Murray Griffin (ECan CWMS Facilitator) and Louise Courtney (WDC Governance Secretary). Craig McIntosh (Rangiora), Charlotte Wright (Dairy NZ)

**KARAKIA**

The meeting commenced with a karakia conducted by S Bragg.

**WECLOME**

The Chair welcomed C Henderson to his first meeting of the Committee.

1 **APOLOGIES AND INTRODUCTIONS**

Nil.

**REGISTER OF INTEREST**

The Committee noted the Register of Interest with changes for new members to be incorporated for the August meeting.

2 **CONFIRMATION OF MINUTES**

2.1 **Minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting – 19 June 2017**

Moved G Walton seconded G Edge

**THAT** the CWMS Waimakariri Zone Committee:

- (a) **Amends** the minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting, held 19 June 2017, as follows:
- Page 3, final paragraph: Amend “immediate stages” to “Immediate Steps”
  - Page 6, paragraph 1, line 7: Amend “bittens” to “bittern”
  - Item 5, heading: Amend “Breifing” to “Briefing”

- Page 7: Add heading “Swimming and Recreation Sites – Briefing” and move the motion to the end of the recorded discussion
  - Page 7, paragraph 4, final bullet point: Change “Ashley Gorge” to “Ashley Gorge/Lees Valley”.
- (b) **Confirms** the circulated minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting, held 19 June 2017, as a true and accurate record.

**CARRIED**

### **MATTERS ARISING**

D Ashby provided an update in relation to item 3. To date, ten farms have consents with another ten still undertaking the consent process.

G Edge noted the deadlines for consents to be lodged had passed, with the deadline for orange zoned properties having been 1 July 2016 and red zoned properties 1 July 2017. He was concerned that the missed deadlines would not reflect well on ECan

It was clarified that all WIL farms are covered by the WIL discharge consent and that those outside this group have been targeted as a priority by ECan. It was noted that not all those still to engage with the process will require a consent, with D Ashby adding that the issue may be in relation to getting nitrogen baselines done by specialists in this field. D Ashby explained that it was a process that would take some time, and the important point was that farms were in the system and would be processed in due course.

J Roper-Lindsay suggested that the deadlines had not been realistic considering the time it takes to get the information required to process each consent ECan Staff assured members that the remaining 68 farms were being followed up, and will report back next meeting. C Henderson queried whether there were any statistics regarding the number of farms who were engaged with the process. It was suggested that information also be sought from Beef and Lamb, as not all the farms involved were dairy farms. C Henderson highlighted that the delay in the process may relate to the upcoming transition to Plan Change 5 (PC5), with farms awaiting to see how it would affect them. D Ashby suggested ECan communications deliver a message to encourage farmers to engage in the process.

G Edge, regarding item 3.4, asked if an update had been received from the Trust. Staff advised that this was still to be followed up.

G Edge, also regarding item 3.4, sought an update to C McKay’s query regarding a covenant. There was some discussion regarding the matter. It was advised that the site was protected.

## **3 PUBLIC FORUM**

### **3.1 Robert Johnson**

R Johnson spoke in relation to Alternate Pathways community meetings, where a Potential Storage option in the upper Ashley, was explored as a means to enhance flows in the Ashley River. He believed that enhancing the flow would destroy the swimability of the Ashley Gorge.. He believed the mechanism for providing better flow down the Ashley River was to encourage ECan to address the issue of erosion in the river which leads to gravel build up, and causes the river flow to go underground and therefore dry stretches. He commented that he had been impressed with a presentation from the Rūnanga on the matter and referenced Project Rainbow, which had been proposed to mitigate the issue.



Regarding Plan Change 5 (PC5), R Johnson said he was unclear whether Overseer would be used in a regulatory regime. He stated that Overseer was suitable for providing a nutrient baseline but not appropriate for regulatory purposes. C McKay responded that an upcoming presentation would address R Johnson's concerns. Jason Holland advised that PC5 proposed new thresholds for consent, based on hectares irrigated, or of winter feed for cattle, and Overseer will be an essential part of the FEP, required with the application.

R Johnson referred to the Land and Water Solutions Programme community meetings where he felt there had been no opportunities to speak, and queried what happened to all the feedback. M Macdonald advised that all feedback had been recorded and transferred to an electronic format which have been made available through an online forum. Staff were happy to work with R Johnson directly.

R Johnson concluded that the information was not clear to the community and needed to be better communicated.

### 3.2 **Michael Bate**

M Bate expressed his extreme disappointment that the Committee granted IMS funds to the Pines Beach Wetland Weed Control project when the method of control was with glyphosate, and tabled several documents

He also commented that many pools in the lower Kaiapoi were scoured out with water levels dropping considerably when the tide went out, and suggested ECAN put in weirs to protect the aquatic life there.

M Bate concluded that he believed Plan Change 5 would be ineffective.

## 4 **COMMITTEE UPDATES – ZONE COMMITTEE MEMBERS, A ARPS (WAIMAKARIRI ZONE DELIVERY TEAM LEADER, ECAN) AND M GRIFFIN (FACILITATOR, ECAN)**

- CWMS Regional Committee Meeting – 13 June 2017
- Waimakariri Zone Delivery – Update
  - Immediate Steps
  - Communications and Media Reports
- Silverstream Salmon Hatchery – briefing and follow
- Towards a Draft Waimakariri Land & Water Solutions Programme
- Greater Christchurch Networking for the Environment Forum
- Action List

### 4.1 **CWMS Regional Committee Meeting 13th June 2017 – C Latham (Zone Committee Representative)**

C Latham took the report as read.

J Roper-Lindsay, regarding item 5, commented that signage on bridges required improvement. Staff to follow up who is responsible for the signage.

G Edge, regarding item 7, queried the basis of the merger of two seemingly different groups. C McKay responded that there was a close association, and that the groups were only being brought together for specific projects which overlapped both groups' jurisdiction, for example braided rivers.

### 4.2 **Ashley Rakahuri Weed Clearance and Island Enhancement 2017**

J Butt spoke briefly to the application, referencing a presentation made to the Committee by the group at its February meeting. Machinery would be utilised to remove woody weeds and followed up with on-going maintenance.

J Roper-Lindsay queried the other financial sources for the project. J Butt advised that funding was sought from the Rata Foundation, as well as utilising existing funds.

S Stewart asked if there was any possibility of utilising gravel extract contractors to undertake the work as part of their corporate responsibility. J Butt advised that it had been considered. It was noted that staff do work with contractors who have carried out similar work when required.

D Ashby supported comments relating to companies working with community groups and ECan for similar projects.

Moved G Edge seconded G Walton

**THAT** the CWMS Waimakariri Zone Committee:

- (c) **Approves** \$13,170 of Immediate Steps funding to the Ashley Rakahuri Rivercare Group for the Ashley Rakahuri Weed Clearance and Island Enhancement 2017 project.

**CARRIED**

#### 4.3 **Immediate Steps – Funding Overview 2017 – J Butt (Biodiversity Officer, ECan)**

J Butt spoke to the report, noting a review had been carried out in the past year which allowed funds to be allocated to future projects.

In response to a query from S Stewart staff will provide a detailed report on progress of past projects.

C Latham queried the use of IMS funding for fencing J Butt advised that funds could not be used for fencing that would be necessary for statutory or compliance situations. Members expressed concern regarding the protection of plants, if fencing was not in place.

#### 4.4 **Waimakariri Water Zone Committee June Update**

M Griffin spoke to the report, and tabled a summary of the Committee's workshop of 19 June 2017.

M Dodson provided a brief summary of meeting with representatives of the Silverstream Hatchery. Staff would provide a more detailed update on the matter including nutrient, water flows, river temperature, and springhead protection.. The representatives suggested possible solutions to some of the issues raised, which could also be explored.

D Ashby queried whether any discussion had been held with any parties regarding getting water to Silverstream. However, this raised the issue of the mixing of waters which could be in conflict with Rūnanga values in relation to water.

Moved D Ashby seconded C McKay

**THAT** the CWMS Waimakariri Zone Committee:

- (d) **Receives** items 4.1-4.4 for its information, and with regard to the Committee's:
- 5 Year Outcomes

- Drafting of the Land and Water Solutions Programme recommendations, and
- 2017 community engagement priorities.

**CARRIED**

5 **PLAN CHANGE 5 – BRIEFING – O COOK (PRINCIPAL PLANNING ADVISOR, ECAN)**

Olivia Cook spoke to a PowerPoint presentation. She advised that Plan Change 5 (PC5) would not affect the Land and Water Regional Plan (LWRP), and that the rules of PC5 would not apply until it was operative. Hearings were held in 2016, with recommendations adopted by the Council at its June 2017 meeting. PC5 has now been notified and is currently in appeal stage of the process, where appeals can only be made on a point of law.

PC5 Outcomes include, farming at Good Management Practice (GMP), farming to Limits, some flexibility for low emitters, giving effect to the NPSFM 2014, and will provide catchment accounting.

In relation to the GMP booklet, she advised the narratives had been incorporated into proxies which are applied to Overseer files fed into the Farm Portal to estimate the nitrogen loss at GMP. The Portal was also the tool to work out whether a consent was required. All farms, over 10 hectares must register with the Farm Portal, with the information gathered to be collated by ECan for future reference and statistical analysis

Permitted Activities would no longer be regulated by nitrogen limits, and GMPs demonstrated in the farm management plan would have to be provided on request.

S Stewart queried whether independent scrutiny of data being inputted would be in place. O Cook replied that the information provided could be verified/checked, however there was no system yet in place and staff would be reliant on the accuracy of the information provided.

Farms that require Resource Consents would have nitrogen losses capped at Baseline GMP Loss Rate from 1 July 2020 and must operate at GMP for the farm's current activity.

G Edge queried going beyond PC5 requirements. O Cook advised it was not restricted.

G Edge expressed concern at a process which did not seem to allow for changes in farming practices. O Cook replied that the planning process has to set out requirements to the community, however PC5 does allow greater flexibility by not confining farmers to prescribed practices. C McKay added that it is anticipated regular reviews of the GMP booklet would allow for changes in farming practices and technology advances.

C Henderson enquired about the ability to report at a catchment level. O Cook replied that in time that is what the information can be used for.

Following on S Stewart queried when such data maybe available. O Cook stated that this was dependent on PC5 being Operative and subsequent consents in place.

C Henderson asked about the timeline to PC5 being operative. O Cook replied it was also dependent on the appeal process. If there were no appeals, then approximately 18 months.

J Roper-Lindsay asked about catchments being defined. It was advised that the Council have decided that catchments will be assessed through the sub-regional plan process. It was raised that Water Management units need to be addressed as part of the NPSFM reporting. Staff confirmed that a detailed report on the matter would be provided at an upcoming meeting.

Mr R Johnson queried phosphorus losses. O Cook replied that the FEP could be utilised to manage contaminants, for example riparian management.

M Bate queried the projections on the expected improvement of water quality from farming to GMP. O Cook responded that modelling revealed a projected 15% reduction in nitrogen.

M Blackwell queried the water quality of the Hurunui-Waiiau region. It was advised that they operate under their own Management Plan. M Blackwell further queried what the water quality would be, ECan's criteria were applied. O Cook replied it would be classified as a red zone.

6 **FARM ENVIRONMENT PLAN PROCESS - A BARBATI (TEAM LEADER, DELIVERY SUPPORT, ECAN), AND I BROWN (PRINCIPAL STRATEGY ADVISOR, LAND, ECAN)**

A Barbati spoke to a PowerPoint presentation.

A Farm Environment Plan (FEP) is required for those who require a Resource Consent, highlighting that a new element in PC5 is identifying mahinga kai targets as well.

S Stewart, queried how a report like the Cam River Rehabilitation Study, effectively a sub catchment management plan, could be incorporated into the FEP process. Paul Reece, of WIL, advised there would be a crossover between farmers and catchment advisory groups, and that the FEP was just another tool for farmers to utilise. O Cook cautioned fixing such reports into a FEP as it could change over time. P Reece clarified that the FEP was not an inward looking document and was a means of assessing outcomes. I Brown added that an FEP should reflect what and how activities are said to occur with actual practice.

S Stewart wanted to ensure that similar reports were not disregarded and were utilised. Staff advised that it would be expected that these kinds of documents were made available to farmers who border the relevant catchments, or to auditors to enable the information to be passed on or incorporated into appropriate plans.

I Brown reiterated that a FEP addresses many issues. It was up to the auditors to ascertain whether the plan/actions were effective and would achieve the outcomes set. He stated that auditors spent a few hours on site, which is preceded by the evaluation of the FEP, past audits and relevant documentation. The audit is about ensuring that the information provided is accurate and corresponds with actual practices. It also involves face to face discussions regarding the operation, to understand the farming system being undertaken.

G Edge queried whether the farm was required to regularly monitor that water quality in that water way. I Brown advised that it was possible in some water systems but it was not always possible to clearly identify where the water comes from

S Stewart queried whether FEPs were publically available. I Brown advised that an FEP was required as part of a Resource Consent, so it is noted, but no detail is provided. He reiterated that FEPs were tools as a means to an end and should outline what outcomes are hoped to be achieved.

Moved S Stewart                      seconded G Edge

**THAT** the CWMS Waimakariri Zone Committee:

- (e) **Receives** the information provided in the Plan Change 5 and Farm Environment Plan Process presentation.

**CARRIED**

Meeting adjourned at 5.41pm for a brief break, resuming again at 5.46pm.

7 **STATUTORY FRAMEWORK FOR BIODIVERSITY – S LEONARD (ECAN), AND B BRAY (WDC)**

S Leonard spoke to a PowerPoint presentation, noting this was the first time that a District Plan Review had occurred in parallel a Sub-region Plan Review.

S Leonard outlined the different responsibilities of ECan and WDC, in relation to biodiversity. With many areas overlapping a shared approach to responsibility is undertaken.

G Edge, regarding the Canterbury Biodiversity Strategy (CBS), asked whether WDC, as a signatory, held responsibility. S Leonard confirmed that WDC was a signatory, however, the CBS was not a statutory document.

G Edge sought clarification whether WDC had to protect environmental sites. S Leonard replied that it was a joint responsibility, with ECan responsible for associated earthworks and discharges and WDC responsible for land use activities in a wetland, for example a boardwalk.

B Bray spoke to a PowerPoint presentation District Development Strategy (DDS) which would inform strategies such as the District Plan, noting community consultation would close 14 July 2017.

G Edge sought an explanation to the term 'environmentally rich'. B Bray replied that it is in relation to a wealth of biodiversity and supporting existing initiatives, noting the DDS was a high level strategy.

G Edge noted the lack of reference to the Canterbury Water Management Strategy or Zone Committee Outcomes for biodiversity. B Bray responded it was a matter that could form part of the District Plan Review.

J Roper-Lindsay suggested a meeting with WDC staff to discuss findings of the Biodiversity Stakeholders Group.

G Edge raised that the Mahaanui Iwi Management Plan was missing from the slide. Staff to follow up.

S Leonard concluded that the reviews would be an opportunity to streamline processes within WDC and ECan, to avoid 'double handling' of information and applications by consent applicants. S Leonard encouraged members to forward any further queries directly to staff.

J Roper-Lindsay commented that the plans should not focus solely on significant sites, as all indigenous sites were significant.

Moved J Roper-Lindsay seconded C Latham

**THAT** the CWMS Waimakariri Zone Committee:

- (f) **Receives** the information provided in the Statutory Framework for Biodiversity presentation.

**CARRIED**

8 **GENERAL BUSINESS – D ASHBY AND ZONE COMMITTEE MEMBERS**

G Edge, stated that he would like a date regarding the production of sub catchment management areas and surface water catchments confirmed, to suggesting a draft of the plans at the Committee's next workshop. M Dodson highlighted the work involved in collating the detailed hydrological catchment data required to create the models and added this work is being developed at present. Staff assured members that the plans would be provided once all the information required had been gathered and assessed.

**NEXT MEETING**

The next scheduled meeting of the Waimakariri Water Zone Committee is on Monday 14 August 2017 commencing at 4.00pm.

THERE BEING NO FURTHER BUSINESS, THE MEETING WAS CLOSED AT 6.30PM.

CONFIRMED

\_\_\_\_\_  
Chairperson

\_\_\_\_\_  
Date

Unconfirmed

<b>AGENDA ITEM NO: 3</b>	<b>SUBJECT:</b> Committee Updates
<b>REPORT TO:</b> Waimakariri Water Zone Committee	<b>MEETING DATE:</b> 14 August 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Waimakariri, ECan	

## PROPOSAL

This agenda item provides the committee with an overview of updates for review.

## RECOMMENDATION

- The Zone Committee are asked to receive these updates for its information and with regard to the committee's 5 Year Outcomes, drafting of the Land and Water Solutions Programme recommendations, and 2017 community engagement priorities.

## COMMITTEE UPDATES

The following updates are tabled for the committee:

- **Towards a Waimakariri Land & Water Solutions Programme**

On 25 July a Stakeholder Statement was released outlining the reasons for an extension to the original schedule and timeline for the Waimakariri sub-regional planning process (Solutions Programme). This statement is attached **as agenda item 3-1**. In recognition of the reasons for this extension the following motion is proposed for the committee

**Motion:** The Waimakariri Water Zone Committee has received the reasons for the extension of time for the Waimakariri Solutions Programme and accordingly adopt the revised schedule to prepare the Solutions Programme recommendations (ZIP Addendum) from December 2017 to September 2018.

- **CWMS Regional Committee Meeting – 8 August 2017**

A Regional Committee meeting was held on Tuesday 8 August. The link to the Regional Committee papers is provided below.

**Link:** <https://ecan.govt.nz/data/document-library/?Search=regional+water+management+committee%2C+agenda&documentTypes=-1&pageSize=12&start=1&sortDir=desc>

The committee's CWMS Regional Representative, Carlyne Latham, will provide an update on the 8 August meeting for the committee.

- **Waimakariri Zone Delivery – Update**

Zone Delivery Manager, Andrew Arps, will provide a quarterly update for the committee at this meeting as agenda item 4.

- **Communications – July Communications/Media Report**

The July Water Zone Committee E-newsletter is provided as **agenda item 3-2**.

○ **Media and Communications Report – WWZC July – 3 August 2017**

**Articles published**

- Thursday 6<sup>th</sup> July – North Canterbury News – Tutaepatu Lagoon Study – two-year survey to be carried out to measure water quality
- Thursday 9<sup>th</sup> July – North Canterbury News – Gravel Extraction – quotes Andrew Arps regarding residents' concerns around gravel removal from Ashley River near Waikuku
- Friday 14<sup>th</sup> July – Kaiapoi Advocate – Canterbury Landscape Supplies – quotes Andrew Arps – regarding consent
- Friday 14<sup>th</sup> July – Northern Outlook – Water Issue – 5 articles provided to reporters for inclusion in this issue – Mahinga kai, Makarini Rupene – Park Ranger role, denitrification wall pilot project at Silverstream, improvement in salmon numbers at Waimakariri and column on Dave Ashby
- Thursday 27<sup>th</sup> July – The Press – potential for contamination of Christchurch's drinking water:  
<https://www.stuff.co.nz/environment/95097028/authorities-discuss-possibility-that-christchurch-drinking-water-could-become-contaminated>
- Friday 28<sup>th</sup> July – Kaiapoi Advocate – groundwater connection under Waimakariri and extension of sub-regional plan process
- Friday 28<sup>th</sup> July – Northern Outlook – article on extension of sub-regional timeline
- Friday 28<sup>th</sup> July – Northern Outlook – positive impact of recent floods on woody weeds along Ashley River – piece by Nick Ledgard
- Thursday 3<sup>rd</sup> August – North Canterbury News – delay of sub-regional plan

**Current work**

- Five videos on the cultural story of water with Makarini Rupene – at final editing stage
- Articles/photos/videos on salmon smolt release at Kaiapoi salmon hatchery
- Photos/videos/articles on test well drilling and well survey
- Recent videos, photos and articles being uploaded to ECan website – zone committee news page

**Action List**

- An updated list of action points from previous meetings will be tabled with the committee to confirm completed actions and ongoing follow-up.

**RECOMMENDATION**

- The Zone Committee are asked to receive these updates for its information and with regard to the committee's 5 Year Outcomes, drafting of the Land and Water Solutions Programme recommendations, and 2017 community engagement priorities.



**25 July 2017**

## **Waimakariri sub-regional pushed out to inform good decisions**

The Waimakariri sub-regional planning process has been lengthened to allow more time to reach an agreed understanding on the nature of groundwater movements under the Waimakariri River north of Christchurch.

This will give the Zone Committee and the community more time to consider how best to deal with the freshwater and ecological issues facing the zone, which includes river flows, surface water quality, as well as groundwater recharge and movement.

The Zone Implementation Programme Addendum – the package of recommendations prepared by the Waimakariri Zone Committee for Environment Canterbury and Waimakariri District Council – is now likely to be completed in September 2018, rather than December this year.

In the coming months, more scientific work will be undertaken, including the drilling of nine wells alongside the Waimakariri River north of Christchurch, followed by a piezometric<sup>1</sup> survey of around 80 wells across the zone to better understand groundwater flows and measure water quality.

Over the past 20 years, scientists working on the Waimakariri groundwater system have developed a good understanding of how water from the Waimakariri River enters the shallow groundwater system south of the river and flows towards Christchurch, where it replenishes the aquifers under the city.

There is, however, some uncertainty over what happens at deeper levels in what is a complex system, and over longer periods of 50 to 100 years.

Three clusters of three wells are being drilled alongside the Waimakariri River. At each site, there will be a shallow (50m), a medium (100m) and a deep well (150m). Measurements will be taken of groundwater levels, as well as water quality and geochemistry.

The new data from the wells and the piezometric survey will be analysed by the technical group overseeing the investigations, which includes scientists from Environment Canterbury, Lincoln AgriTech, GNS, as well as consultant experts.

The scientific investigations and modelling should be completed by the end of the year.

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<sup>1</sup> A piezometric survey is a survey of groundwater levels across an area at a single given point in time.

## **Community process to develop freshwater solutions**

The Waimakariri Water Management Zone Committee is leading a community process to develop a solutions package for freshwater, as part of the collaborative Canterbury Water Management Strategy.

This started in late 2016, and continued early this year, with a series of community meetings to discuss the current state of freshwater, future scenarios, as well as looking at land use and urban development issues. Discussions also included what could potentially be done to protect and improve freshwater for now and for the future.

Since then Environment Canterbury's science team has been analysing data and developing a groundwater model to provide the information needed to make good decisions.

Once the science work is completed (expected to be in December), the Zone Committee and the community will assess the information, and next year the committee will develop a programme of recommendations (called a Zone Implementation Programme Addendum) which will go to Environment Canterbury, Waimakariri District Council, and other organisations.

The recommendations will be used by Environment Canterbury to set water quality and allocation limits for the Waimakariri zone, through a plan change to the Canterbury Land & Water Regional Plan.

The Waimakariri work is one of a series of plan changes to the Canterbury Land & Water Regional Plan (introduced by Environment Canterbury in 2012) to provide more specific rules to manage nitrate pollution and water quantity for each major catchment.

END



## Waimakariri Water Zone Committee July Update

Welcome to your monthly e-newsletter for July. This update will let you know about zone committee activities, science work streams, and local or regional developments that could affect you.

We are continuing to meet up with smaller groups of stakeholders to gather their thoughts and feedback water management options.

Hearing your thoughts and views is vital part of the process. Feel free to get in touch to share your thoughts on the future management of Waimakariri's waterways. See below for ways to contact us - we'd love to hear from you.

## Land and Water Solutions Programme - timeline extended

- The Waimakariri sub-regional planning process has been lengthened to reach an agreed understanding on the nature of groundwater movements under the Waimakariri River.
- This means that the Zone Implementation Programme Addendum – the recommendations prepared by the zone committee will be completed by September 2018, instead of December 2017.
- The zone committee and the community will have more time to consider water issues in the Waimakariri zone.
- There is some uncertainty over what happens at deeper levels under the Waimakariri groundwater system over longer periods of 50 -100 years.
- Nine wells will be drilled along the Waimakariri along with a survey of 80 wells across the zone to gain a better understanding of groundwater flows and water quality.
- These wells will be in clusters of three with one shallow (50m), one medium (100m) and one deep well (150m).The wells will measure groundwater levels, water quality and geochemistry.
- The new data will be analysed by the technical group overseeing the investigations, which includes scientists from Environment Canterbury, Lincoln AgriTech, GNS, as well as consultant experts.
- The scientific investigations and modelling should be completed by the end of the year.
- To learn more and to visit our website [here](#) or come along to our monthly meetings which are held at the Rangiora Town Hall on the second Monday of each month. The next meeting is on Monday 14th August from 4-6pm.
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## Zone Committee News

### Realignment of Taranaki Stream at Ravenswood

- The zone delivery team has worked with runanga, Waimakariri District Council, the landowner and the developer to realign the stream.
- This realignment will ensure consistent water flow through the area.
- The white cloth lining the stream is a temporary erosion protection measure which will be removed when the development work is completed.

### Successful contractor GMP event

- Twenty five rural contractors met with representatives from the zone committee, zone delivery team, ECan and WIL to discuss GMP on 21st July.
- The session explained GMP and encouraged the contractors to provide services that assist farmers to reach GMP.

### Do you have a lifestyle block?

- We're looking for 20 lifestyle block owners in the Waimakariri to participate in a pilot programme for Lifestyle Block Environment Plans.
- You'll learn more about caring for waterways and riparian planting along with tips for caring for livestock.
- The programme which will kick off in mid-September, consists of three informal sessions which focus on information sharing.
- For more information please email **Andrew Arps**.

## Events

### Nitrogen use efficiency and plant nutrition event tonight

- WIL and Agrichem are hosting a nitrogen use efficiency and plant nutrition event tonight - Monday 31 July from 6:30pm at the Rangiora Town Hall. Refreshments and snacks will be provided.
- The following topics will be covered: improving nitrogen use efficiency for less nitrogen leaching in pasture production, local trial data on foliar applications of nutrients to improve production, using a programme approach, instead of a product approach, local trial data on liquid starter applications for forage maize and nutritional programmes for improved fodder beet and forage maize.
- RSVP: Paul Reese([paulr@irricon.co.nz](mailto:paulr@irricon.co.nz) or 027 731 4433).

### Seven Rivers documentary to screen in Christchurch and Rangiora

- Seven Rivers Walking will have its New Zealand premiere at the International Film Festival on Sunday 19th August at 5:45pm at the Isaac Theatre Royal. For tickets click [here](#)
- The film will also screen at the Rangiora Cinema on Sunday 27th August at 6pm.
- The film explores the issues facing Canterbury's rivers.

Make sure you have your say on the future of Waimakariri's water. Water is an important resource and the decisions we make together will impact Waimakariri both now and in the future. Let us know what you think and get involved in the water management process.

If you can't attend our monthly meetings please visit our [website](#) or our [Facebook page](#) to share your thoughts and provide feedback.

If you or someone you would know would like more information on the Waimakariri Water Zone Committee or the Canterbury Water Management Strategy, please contact Waimakariri Zone Committee Manager [Andrew Arps](#)

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[For more information www.ecan.govt.nz/canterburywater](http://www.ecan.govt.nz/canterburywater)

*Waimakariri Water Zone Committee, a joint committee of*



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<b>AGENDA ITEM NO: 3</b>	<b>SUBJECT: Zone Delivery – Quarterly Update</b>
<b>REPORT TO:</b> Waimakariri Water Zone Committee	<b>DATE OF MEETING:</b> 14 August 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Waimakariri, ECan	

## UPDATE

This update provides an overview of the Waimakariri Zone Delivery Team's priorities and activity over the last quarter.

### The Waimakariri Zone Delivery Team are:

- Manager – Andrew Arps
- Biodiversity Officer – Jason Butt
- Land Management Advisor – Anna Veltman
- Senior Resource Management Officer – Marco Cataloni
- Joe Jagusch, Resource Management Officer, Monitoring & Compliance
- Nathan Dougherty, Senior Resource Management Officer – Incident Response

### Waimakariri 5 Year Outcomes 2015 – 2020

The Waimakariri Water Zone Committee adopted a set of 5 year outcomes and milestones in 2015. These outcomes and milestones have been used as a primary focus of the work programme for the Zone Delivery Team.

### Progress against the committee's 5 Year Outcomes and Milestones

- Andrew Arps will provide a presentation overview of their achievements and priorities over the last quarter.

## RECOMMENDATION

That the Water Zone Committee receive this Zone Delivery Team quarterly update for their information, and in reviewing the milestones and work programme priorities of the committee's five year outcomes 2015 – 2020.

<b>AGENDA ITEM NO: 4</b>	<b>SUBJECT: Fonterra Sustainability Programmes – Update</b>	
<b>REPORT TO:</b> Waimakariri Water Zone Committee		<b>DATE OF MEETING:</b> 14 August 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Waimakariri, ECan		

## PROPOSAL

This update follows on from the briefing provided on Plan Change 5 to the Canterbury Land and Water Regional Plan, with an accompanying overview of Farm Environment Plans (FEPs) and the associated FEP Audit process at the Zone Committee's 10 July meeting.

This update will focus on:

- Overview of the Fonterra Sustainability Programmes
- Tiaki – Fonterra Sustainability as a Service; regionally tailored services for our farmers.
- Collaboration with Zone Committees –
  - o Zone objectives
  - o 50 catchments.

## BY WHO

This briefing will be provided by

- **Mat Cullen**, Nitrogen Programme Lead, Fonterra

## BACKGROUND

### Supply Fonterra

To ensure Fonterra continue improving milk quality and minimise dairying's environmental footprint, they have developed Supply Fonterra – our programme of on-farm initiatives that supports farmers and the Co-operative to help maintain and grow a sustainable milk supply.

The Supply Fonterra programme is a first for dairy in New Zealand and provides proactive initiatives that support our farmers and industry as a whole. Our programme sets out environmental and food safety requirements and provides support to assist our farmers to meet regulatory requirements and future-proof their farm.

Supply Fonterra programmes currently include:

- o Annual Farm Dairy and Environmental Assessment
- o Milk Quality Support
- o Milk Temperature Management
- o Mastitis Support
- o Animal Health & Welfare
- o Effluent Management
- o Nitrogen Management
- o Waterway Management
- o Water Use Management

For more information–link: <https://www.fonterra.com/nz/en/what-we-stand-for/sustainable-dairying.html>

## The Sustainable Dairying Water Accord

The Sustainable Dairying: Water Accord (SDWA) is a commitment to New Zealand to enhance the overall performance of dairy farming as it affects freshwater through continuous improvement and partnership. The Accord is a voluntary environmental initiative designed to contribute towards clean, healthy freshwater resources including streams, rivers, lakes, groundwater and wetlands in dairying areas.

The Accord has targets focused on effluent management, nutrient management, water use efficiency and riparian management (stock exclusion and riparian planting). Reporting against the targets in the Accord commenced in 2014. The SDWA replaced the “Dairying and Clean Streams Accord” (DCSA) which Fonterra signed in May 2003 and ended in December 2013.

Supply Fonterra will continue to align its environmental programmes to the Accord's requirements to support our farmers in meeting these commitments.

For more information—link: <https://www.dairynz.co.nz/environment/in-your-region/sustainable-dairying-water-accord/>

### **RECOMMENDATION**

That the Zone Committee receive the presentation and takes the opportunity to ask questions.