

Canterbury Water Management Strategy Waimakariri Zone Committee

Agenda

Monday 11 December 2017

4.00pm

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

Members:

David Ashby (Chair)
Grant Edge (Deputy Chair)
Carolyn Latham
Judith Roper-Lindsay
Gary Walton
Cameron Henderson
Michael Blackwell
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 11 DECEMBER 2017** commencing 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**

REGISTER OF INTERESTS

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 – 13 November 2017**

5 - 11

RECOMMENDATION

THAT the CWMS Waimakariri Zone Committee:

- (a) **Confirms** the circulated minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting, held on 13 November 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 Manager, Ecan) 12 - 13
- 3.1 **Regional Water Committee Working Groups notes– 15 November 2017**
(CWMS Regional Committee representative Carlyne Latham) 14 - 15
- 3.2 **Media and Communications Report 7 November – 4 December – Gina McKenzie (Real Communications)** 16 - 17
- 3.3 **Waimakariri Water Zone Committee e-newsletter November Update** 18 - 20
- 3.4 **Regional Update – new consenting requirements for farmers – ECan Communications** 21 - 22
- 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 2018 community engagement priorities.
- 4 **TARGETED ENGAGEMENT MEETINGS IN NOVEMBER – SUMMARY OF DISCUSSIONS AT THE WATER QUANTITY CONSENT HOLDER WORKSHOPS–**
(M Macdonald (ECan)) 23 - 25
- 4.1 **Memorandum on Survey of Consent Holders – Simon Harris, LWP Ltd** 26
- 5 **WAIMAKARIRI 2018 ON THE GROUND WORK PROGRAMME – UPDATE –**
Andrew Arps (Waimakariri Zone Delivery Manager, ECan)) and Murray Griffin (CWMS Facilitator – Waimakariri, ECan) 27
- RECOMMENDATION*
- THAT** the CWMS Waimakariri Zone Committee:
- (a) **Receive** this update on the working draft of the 2018 On the Ground Work Programme as a basis for ongoing review and feedback.
- (b) **Proceed** with the engagement associated with the old Waimakariri wetlands and loop track project.
- (c) **Extend** the available Immediate Steps Funding for the “First 500” springheads project from \$30,000 to \$40,000.

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

7 **GROUP PHOTO**

8 **NEXT MEETING**

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 13 NOVEMBER 2017 AT 4.00PM.

PRESENT

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

IN ATTENDANCE

Craig McIntosh (Irrigator), Richard Stalker (Irrigator), Brent Walton (General Manager, WIL), Kalley Simpson (3 Waters Manager, WDC), Greg Bennett (Land Drainage Engineer, WDC), Janet Fraser (Utilities Planner, WDC), Alicia Kloss (Project Engineer, WDC), Mayor David Ayers (WDC from 5.15pm), Greg Miller (Rangiora-Ashley Community Board), Ryan Hepburn (Te Rūnanga o Ngāi Tahu), Larry Burke (NZ Salmon Anglers Association), Karl French (Silverstream Hatchery), Michael Bate (Kaiapoi), Gina McKenzie (Real Communications), Lionel Hume (Federated Farmers of NZ), John Benn (Department of Conservation), Emma Barr (Consents Planner, ECan), Nick Reuther (Consents Planner, ECan), Jill Atkinson (Director, Strategy & Planning), Steven Bragg (Tangata Whenua Facilitator, ECan), Andrew Arps (Zone Delivery Team Manager, ECan), Murray Griffin (CWMS Facilitator, ECan) and Adrienne Smith (WDC Committee Advisor).

KARAKIA

To open the meeting Steven Bragg conducted the karakia.

1 APOLOGIES

Moved Michael Blackwell seconded Gary Walton

THAT apologies be received and sustained from committee members Cameron Henderson and Cherie Williams.

CARRIED

REGISTER OF INTERESTS

There were no updates to the Register of Interests.

CONFIRMATION OF MINUTES

1.1 Minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting – 9 October 2017

Moved Claire McKay seconded Gary Walton

THAT the CWMS Waimakariri Zone Committee:

- (a) **Confirms** the circulated minutes of the Canterbury Water Management Strategy Waimakariri Zone Committee meeting, held on 9 October 2017, as a true and accurate record, with the following amendments:

Remove last paragraph comment from David Ashby at end of "Opportunity for Public to Speak" under Greg Morris item

Item 3.1 – Second sentence to read: “ECan staff would be asking the working group for comments as to how this could be achieved.

Item 3.1 – Claire McKay comment regarding the ECan LTP, projects to be connected to leverage of funding and minimise cost per project.

CARRIED

MATTERS ARISING

Monitoring sites on Greg Morriss’s property. Andrew Arps responded that the sites have been monitored on an annual basis, and during the summer these will be monitored on a monthly basis. It is intended to make the monitoring more robust.

An update on Cam River funding was sought and Sandra Stewart advised that a report “Cam River Enhancement Allocation of Funding”, went to the Waimakariri District Council meeting of 24 October. Following this will be a plan for the funding from the Utilities and Roading Committee. This plan will incorporate some work of both private land owners and work of the Council and is likely to start in the New Year. Kalley Simpson noted the scope will clarify the allocation of work. The work will address legacy issues as opposed to future issues. Carolyn suggested that some landowners are looking for advice on work that could be done. Sandra advised that the Henry Hudson report had been shared with some landowners who are probably digesting this information. It was agreed that a report will come to the Zone Committee in the future on the Cam River funding work.

2 OPPORTUNITY FOR PUBLIC TO SPEAK

Craig McIntosh

Craig McIntosh, Flaxton Road Farmer, spoke to the committee on his concerns with the minimum flow level on the Cam River, and the impact of raising this on his and a neighbouring farm. He noted a minimum flow was originally set to dilute the sewerage discharged into the river. This is now not needed but the minimum flow is still set at 1000 litres a second. Mr McIntosh advised that when they start to use irrigation the flow is at or above 1200 litres a second, but as the season progresses the river flow lowers and often the irrigation season is very short. With the sewerage having not been discharged into the river for ten years the quality of water is now improving, stones are clean and plants are coming back.

Mr McIntosh said they could have a viable farm if they had adequate water. Alternatively, he noted that if their farm was subdivided into 10 acre blocks, this would mean many more cars on the road, and asks, which is best of the environment?

Richard Stalker spoke in support of the McIntosh’s situation, noting this huge impact on his farming business and also that of neighbouring farmer Randall Inch. He noted the Rūnanga preference is to raise the level of 1200 litres a second, but it was important to consider where Craig is coming from.

David Ashby asked how many days the farm is on restrictions over a summer. Mr McIntosh said this varies from year to year. He added if there was another drought, and the proposed ‘cultural’ minimum flow was in place, this would put them out of business. The property currently has a permit for 66 litres per second, and the farm takes 54 litres.

The Chair thanked Mr McIntosh and Mr Stalker for speaking and said further information would be sought by the committee on the ecological values of the Cam River.

Michael Bate

In support of his concerns with the use of glyphosate near waterways, Mr Bate presented a video of the drains in the spray test undertaken earlier this year. One of these, Easterbrook Drain, showed evidence of algae growth and very little sign of fish life 12 weeks after it was sprayed and Mr Bate does not accept that the spraying has no effect on waterways. Other drains shown in the video were Ashworths Drain and Mill Stream. Mr Bate brought samples to the meeting of sediment from three different creeks or drains from around the district which, he suggested, were very toxic and would burn human skin. By comparison a sample from a creek on his property was also shown, which is in much better condition.

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

Zone Delivery Manager, Andrew Arps advised that there will be an update at the next committee meeting on the Ravenswood subdivision, including a video presentation.

Regarding the 'Big Rocks' document, it is Andrew's intention to catch up with committee members individually and get their thoughts on this to help build the document. The Zone Delivery Team has been working with lifestyle and small block owners, and has run three workshops. There has been good feedback received from these workshops and there is a possibility that more will be run. There is a target to have 100 lifestyle block owners engaged.

David Ashby noted he has recently given a presentation to Harcourts staff, which included information from the pilot small block workshop programme. It was noted the importance of building awareness of matters relating to water to people who are buying rural properties.

There was discussion on the North Canterbury Business Awards and the request for the Zone Committee to be a sponsor of an Environmental Sustainability Award. Feedback was sought from committee members on this proposal. To become a sponsor would involve support of a \$5,000 prize, which could be across two zones. Members agreed this would raise the profile of work of the committee.

Jill Atkinson (Director of Strategy and Planning, ECan) - Announced that this will be her last committee meeting as she has resigned from ECan after 19 years employed there. Jill has been involved with this committee from its inception and commends members of the committee, both past and present, on the work undertaken to date. ECan Councillor Claire McKay spoke on behalf of the committee in thanking Jill for her contribution and support of the work of the committee and presented a card and flowers in appreciation.

3.1 **Regional Water Committee Working Groups meeting – 10 October 2017**
(CWMS Regional Committee representative Carolyn Latham)

Carolyn took her report as being read and had nothing further to add to this report.

3.2 **Wakeman Trust Wetland application for Immediate Steps Funding**
(Zone Committee member Judith Roper-Lindsay)

Judith Roper-Lindsay spoke to this application at the previous meeting. Grant Edge, Judith, and Jason Butt (Biodiversity Officer, ECan) undertook a site visit on 19 October and looked at the wetland and ponds. Fish and Game had originally dug the ponds to promote wildfowl habitat but there would be no further input from this organisation – John Wakeman had done this work. These could now become part of the native habitat in the area. Members had

met with the Wakeman family members and the following recommendation was suggested to the committee.

Moved Grant Edge seconded Michael Blackwell

THAT the CWMS Waimakariri Zone Committee:

- (a) **Approves** the Immediate Steps funding application from Wakeman Trust of \$7,262.50, noting the following:
 - I. Jason Butt (ECan) should work with the Wakeman family to advise on planting and maintenance.
 - II. The management agreement attached to the IMS funding should note that there should be no further excavation for ponds in the wetland.

CARRIED

3.3 **Media and Communications Report – 11 August – 6th November 2017 –**
(Gina McKenzie, Real Communications)

Murray thanked Gina for providing the media and communication report. Gina advised members there are good videos available on the work at Ravenswood. Positive feedback has been received from the Ashley-Rakahuri Rivercare Group on the videos showing at the Rangiora movie theatre. Andrew noted the positive impact that the media items are having. Sometimes these may appear to go under the radar, but people are actually noting these.

3.4 **ECan Land Use Consents to Farm Update** – (copy of presentation from Anna Veltman to 9 October Zone Committee meeting)

No further questions.

3.5 **CAREX report on Glyphosate** – (report from Greg Bennett, WDC Land Drainage Engineer, to the Waimakariri District Council meeting of 24 October 2017, circulated to the Zone Committee for information)

Greg Bennett was present and noted this report highlights there is more work to be done on this matter. It was noted there was already a presence of glyphosate in the sediments before the trial, and it is hard to say how much impact this has had on the invertebrates or fish. There was a decline, though it is difficult to say if the glyphosate was the sole reason. Flow rates weren't included. Michael Bate noted this is an important step in trying to improve the drains that are flowing in to the rivers, the water of which the Zone Committee are trying to improve.

Greg said there is no information yet, but what effect mechanical removal of weeds would be, is a good question. Grant Edge noted that glyphosate lasts around 14 days, but mechanical removal could upset riverbanks and asked what would happen if drains were left alone? He added are there any stretches of streams that could be left alone and let the water cress be dealt with naturally. It was also suggested the drainage systems in place (culverts), are not adequate.

Greg advised that following this report being presented to the Council there will be a discussion document developed, to be part of the Council's LTP process in 2018. It is suggested that this document should not only concentrate on glyphosate.

4 **WAIMAKARIRI DISTRICT COUNCIL RANGIORA STORMWATER NETWORK DISCHARGE CONSENT APPLICATION** – Janet Fraser (Utilities Planner, WDC)

Kalley Simpson (3 Waters Manager Waimakariri District Council), introduced this presentation, and Waimakariri District Council staff members present Janet Fraser, Alicia Kloss and Greg Bennett. Janet presented the PowerPoint presentation on the Rangiora network discharge consent.

By way of introduction Janet explained that this is the first in a series of stormwater “network” discharge consents, which are required for all reticulated stormwater networks. Each network consent will require a comprehensive Stormwater Management Plan (SMP) for 2025. The SMP will identify how the Council will meet (or work towards meeting) water quality standards by 2040. The presentation touched on comparisons of water quality in rural and urban areas, which source different contaminants. It is important to note that commercial and industrial areas are the likely source of many metal, hydrocarbons, and other wastes into receiving waters.

The consent application also includes an overview of flood modelling and current/proposed flood mitigations for Rangiora, an overview of stormwater discharge quality from the Rangiora network, and surveys of aquatic habitat for fish and invertebrate species to help clarify the effects from network discharges.

Janet clarified the Rangiora stormwater system has high nutrients and E-coli entering the network from rural areas. Upgrading the Rangiora wastewater system is addressing major urban sources of E-coli. The presentation showed that the levels of TSS (Total Suspended Solids) currently complies with the Land and Water Regional Plan (50gm3). She added specific problem areas have also been noted.

The presentation noted that likely issues for urban stormwater are:

- Sediment from construction sites
- Zinc from metal roofs (unpainted, galvanised)
- Zinc from tyre wear
- Copper building facades
- Copper brake pads

There will be further analysis undertaken on the instances of copper exceedances.

Sandra Stewart asked how these results compare to CCC, or other Council's in the country. Kalley Simpson responded that there hasn't been any comparison undertaken. He noted the Waimakariri is trending towards having an issue with Zinc, and Christchurch City are also experiencing similar issues. Regarding the Copper and Zinc allocations, WDC is setting a date of 2040 in the consent application to meet the levels required in the Land and Water Regional Plan.

This being a 20 – 30 year programme, Michael asked if there was any liaison with the Building Unit of the Council, to provide for any control of materials used in building, which may impact on stormwater (i.e. Copper, Zinc). It was noted that this is a challenge, but there is a Stormwater Bylaw which can include provisions.

5 **SILVERSTREAM SALMON HATCHERY UPDATE – IDEAS FOR IMPROVING WATER QUALITY AND FLOWS IN THE SILVERSTREAM** –Karl French (Silverstream Hatchery Manager) and Matt Dodson (ECan Hydrogeologist)

Karl French from Silverstream Hatchery Manager, provided an update on the hatchery and options to make the hatchery sustainable. He noted this winter's rainfall has lifted flow levels in the stream. The flip side of this higher rainfall is it has also raised the nitrate levels in the stream. The hatchery advocates for a minimum flow to maintain hatchery operations and support ecology within the stream, and

assist with the Salmon run. The hatchery also advocates for spring head improvements, through the first 500 initiative. Karl would also like to see the stream narrowed to increase velocity, and the introduction of shelter to decrease the water temperature and enhance instream ecosystems. Karl added he would like to see the surface water nitrate levels reduced to national bottom line levels. If conditions for the hatchery cannot be improved Smolt would have to be removed and will be reared at another site in Ashburton to avoid being lost due to low water levels. This increases operation expenditure by \$30,000, just to keep operating. The water needed will not be available for augmentation.

K French then spoke to the next big issue for the hatchery, which is the level of nutrients within the bores. The hatchery would like to put a deeper bore down, with the water used to pass over some of the salmon stocks and then pass into Silverstream. Neither the public nor the Council would have to pay for this or any other ongoing costs. There is presently no planning mechanism in place to allow this to happen as the hatchery is located in a 'red' nutrient allocation zone and an over allocated catchment. Karl put this to the committee to consider as part of the developing water management options for the Silverstream catchment.

The hatchery is also looking at bio-mechanical filters which can strip the nitrates out of the water. This is being piloted in the Marlborough Sounds.

K French thanked ECan, and Matt Dodson in particular, for providing information on these options. He affirmed the deeper bore is seen as a feasible option. Hatchery staff have endeavored to engage with the local Rūnanga but have not to meet with representatives to date.

Discussion took place on the options for allowing for this deeper bore. In closing it was noted the effects of land use are impacting on the Salmon hatchery now, with the potential to impact on other freshwater species and enterprises in next ten years.

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

Additional items to be added to the Action Sheet:

1. Follow up on the Cam River reliability
2. Silverstream Hatchery investigation
3. Big Rock consultation with the committee – Andrew to set up feedback sessions.
4. Copies of the Living Streams Handbook to be circulated to committee members

Grant noted comments from Greg Millar, from Rangiora Ashley Community Board, regarding the Garrymere drinking water supply and asked if the committee could get some more information on this. Mayor Ayers commented from the public gallery that this is a small council water supply, and currently there are a number of small council water supplies that require some work to meet the National Drinking Water Standards, this being one of them.

Carolyn asked if there has been any survey undertaken by the Ashley-Rakahuri Rivercare Group (ARRG) on the success of the bird breeding season. It was noted this survey is being undertaken this weekend and results will be made available to the committee.

It was agreed that Murray and Andrew will contact Nick Ledgard (ARRG) regarding the habitat island programme which was funded through the IMS funding.

NEXT MEETING

The next scheduled meeting of the Committee is on Monday 11 December 2017, at 4.00pm in the Function Room, Rangiora Town Hall.

There being no further business, the meeting closed at 6.07pm.

CONFIRMED

Chairman

Date

AGENDA ITEM NO: 3	SUBJECT: Committee Updates
REPORT TO: Waimakariri Water Zone Committee	MEETING DATE: 11 December 2017
REPORT BY: Murray Griffin, CWMS Facilitator – Waimakariri, ECan	

PROPOSAL

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

RECOMMENDATIONS

- 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 2018 community engagement priorities.

COMMITTEE UPDATES

The following updates are tabled for the committee:

1. CWMS Regional Committee Meeting – 15 November 2017

The last Regional Committee Working Groups meeting was held on Tuesday 15 November. The next Regional Committee meeting will be held on Tuesday 12 December.

- Carolyn Latham, the Zone Committee's CWMS Regional Committee representative, has prepared a report on the 15 November meeting which is provided as **agenda item 3-1**.
- The link to the CWMS Regional Committee papers is provided below:
<https://ecan.govt.nz/data/document-library/?Search=regional+water+management+committee%2C+agenda&documentTypes=-1&pageSize=12&start=1&sortDir=desc>

2. Waimakariri Zone Delivery – Update

Zone Delivery Manager, Andrew Arps, will provide a short update for the committee on current Zone Delivery team priorities and actions.

- **Ravenswood Sediment Control & Taranaki Stream – Update**
An update on sediment/erosion control at the Ravenswood subdivision, as well as a piece on the realignment of Taranaki Stream, will be provided by Joe Jagusch (Resource Management Officer, Waimakariri Zone Delivery)
- **Communications – November/December Update**
An update on communications is provided by Gina McKenzie of Real Communications as **agenda item 3-2** and the December eNewsletter as **agenda item 3-3**.
- **New Consenting Requirements for Farmers – Regional Update**
A media release is provided for the committee on the new consenting requirements for farmers as **agenda item 3-4**.

3. Action List

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

RECOMMENDATIONS

- 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 2018 community engagement priorities.

Regional Water Management Committee

Working Group notes

15th November 2017

1. Infrastructure WG

- (a) Fish Screen Working Group - Two meetings have been held by the fish screen working group set up to assess whether the technical standards for fish screens (taken from 2007 NIWA guidelines) needed adjusting since they were developed ten years ago, based on experience to date. It was noted that not much research had been done on native fish, but lots was available for sports fish in Canterbury. Different standards might also be required for screens higher up rivers where salmonids prevail vs lower waterways where native fish are predominant. Some of the work could apply nationally, particularly for native fish. The RDR scheme is applying for consent to install a new fish screen. For the screen to work effectively it requires flow, so if the screen isn't located in a flowing river, more water has to be diverted from the river to generate the flow required.
- (b) OTOP Zone – Ecan have retained an economic advisor to work out costings for farmers who may have to consider new irrigation water options, for reliability, as a result of likely ZIPA recommendations. This may involve farmers going to combined ground water/surface water takes, but these are very complicated for farmers to manage compared with just their own well. Reliability drives cost and high reliability may be uneconomic for some farmers, therefore options in the mid-range of reliability are being looked at. Under the proposed PC5 permitted activity rules, there has been approximately 880ha of new irrigation interest in the OTOP zone, mostly from existing irrigators. Part of the new area would need pumping to supply the water which will probably prove uneconomic.
- (c) Waimakariri Irrigation Ltd – The environment court appeal for the proposed Wright's Rd storage dam has been adjourned until the New Year.
- (d) Rakaia River Water Conservation Order – The success of this was discussed, as locals were saying they weren't seeing the benefits expected and there were changes in the river although difficult to quantify. Flows have been low at the mouth where the river is very wide. The Rakaia River is used to convey Central Plains Water from Lake Coleridge and it was noted that this must have an effect on that stretch of the river, but it was uncertain what the effect was. Less water from the Rangitata River through the Highbank power station could reduce flow lower down. A report was sought on what the WCO has achieved and how the transfer of water was working under the consent terms and monitoring.
- (e) Stormwater – This was discussed briefly and it was noted that deferred stormwater maintenance nationwide was a big concern.
- (f) New Government – Still a lot of uncertainty, including amongst government departments. Funding of sub-regional non-statutory actions was discussed and it was noted that significant funding would be needed for these by TA's and Ecan. It was therefore important that funding propositions were going to the new government as soon as possible.

2. Biodiversity WG

- (a) RWMC Flagship Projects – These three projects comprise Te Waihora, Wainono Lagoon and Braided Rivers. Previously detailed annual reports on the progress of these projects was distributed to interested parties, however a briefer format has been developed for a wider audience. Suggestions for improvement were made but generally the view was that the briefer reports were very good.
- (b) Willow control - Te Waihora project work has focused on removal of willows, some crack and mainly grey willow, however a recent survey has identified that while the closed canopy grey

willow area had decreased, as it spreads by seed the overall presence of grey willow had increased. This was of concern and Ecan are partnering with DOC to do a 3 year trial setting up a dedicated weed control team. If this is successful it could be duplicated in other problem areas. Lakeside fencing will exacerbate the willow problem by removing grazing, and strategic grazing was discussed as part of a multi-prong approach. Ecan are also hoping to attract external funding support.

3. Communications & Education WG

Ecan sought comment on whether their local "River Stories" were worthwhile (Waimakariri and Opihi Rivers), and whether these should be rolled out across the rest of Canterbury. The story is set up as a full page newspaper feature with photographs, however parts or all of the story can also be used in different situations and forms of media. So while it is quite expensive preparing the story and photographs, and finding people to feature, it was not just a single use resource. However it was very difficult to measure the success of these types of communications. Generally the group supported the approach as the stories were interesting and would appeal to most people, while increasing awareness of local water issues.

A big part of up-coming communications is in relation to promoting the LAWA (Land Air Water Aotearoa) web site. Weekly water quality monitoring is about to start in Canterbury at popular recreation sites and this data will be interpreted on the web site lawa.org.nz to advise the public as to a site's suitability for swimming. When accessed by phone it can detect where you are and provide information about sites and facilities and water quality at the last monitoring. It gives a thumbs up, thumbs across or thumbs down as to suitability for swimming. LAWA is based at Otago Regional Council and its development was funded by Ministry for the Environment and regional councils across New Zealand. The key is promoting its existence so that it gets used.

Additionally, at the more popular sites it is proposed to have signage advising information is available on LAWA, plus any other site specific info such as water issues, historic points of interest, and other nearby options for swimming.

Carolyn Latham
Waimakariri Water Zone Committee RC Rep

AGENDA ITEM NO: 3-2	SUBJECT: Media and Communications Report: 7 November – 4 December	
REPORT TO: Waimakariri Water Zone Committee		MEETING DATE: 11 December 2017
REPORT BY: Gina McKenzie, Real Communications		

Articles published

- November 16th – Kaiapoi Advocate – “Compost Consents Should be Rejected – Report” – article updating Canterbury Landscapes’ consent application
- November 17th – Northern Outlook – article on Kaiapoi River salinity levels (based on interview and walking tour with Adrian Meredith)
- November 17th – The Press – front page article on Kaiapoi River – salinity levels
- November 23rd – North Canterbury News – front page article on Kaiapoi River – salinity levels
- November 23rd – Northern Outlook – lifestyle block farm environment plan – benefits from local family’s perspective
<https://www.stuff.co.nz/the-press/news/north-canterbury/99122830/lifestyle-blockers-given-fresh-insight-into-management-practices>
- November 24th – Northern Outlook – Wrybill chick and nest destroyed by 4WD
- <https://www.stuff.co.nz/the-press/news/99300879/rare-bird-nest-destroyed-on-canterburys-ashley-river-prompts-plea-for-greater-care>
- November 30th – North Canterbury News – opinion piece by Andrew Arps on Kaiapoi River – salinity levels (paid piece)
- December 1st – North Canterbury News – farming section – piece on Regen and WIL – new software to reduce impact of irrigation on the environment
- December 1st – Kaiapoi Advocate – Heavy Metals Contaminate Rangiora stormwater
- December 1st – Kaiapoi Advocate - opinion piece by Andrew Arps on Kaiapoi River – salinity levels (paid piece)
- December 1st – Northern Outlook - opinion piece by Andrew Arps on Kaiapoi River – salinity levels (paid piece)
- December – Dairy NZ magazine – Dave’s piece on what’s being done to improve Waimakariri’s waterways

Current Cinema Advertisement – October – January

- Joint cinema advertisement with ARRG public awareness around restricted 4WD/ dogs during nesting season on Ashley/Rakahuri – particularly relevant given a nest was destroyed by a 4WD last week (late November).

Current/Ongoing work

- Ravenswood – Taranaki Stream realignment project/ sediment/erosion control – videos (for ECan’s erosion/sediment control website/presentations to contractors/developers), articles, opinion pieces etc...

- Joint campaign with ARRG – public awareness around restricted 4WD/ dogs during nesting season on Ashley/Rakahuri –awaiting updated brochure to be available within 3 weeks – Ecan to print (have checked and this is about to be printed)
- Lifestyle Block Environment Plan pilot project – November - March– opinion piece, articles, photos, videos, cinema ad, social media, HomeShow magazine, Harcourts Rural Lifestyle magazine
- Irrigation NZ Magazine – February edition – articles on Ravenswood and Kaiapoi River
- Dairy NZ magazine –keen for Dave’s next opinion piece on lifestyle block environment plan project
- Second opinion piece for Dave will be on the lifestyle block environment plan pilot project – to be published in December/January.



Waimakariri Water Zone Committee November Update

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

We're always keen to hear your thoughts on Waimakariri's waterways. Come along to our monthly meeting or get in touch via email - we'd love to hear from you.

Update from Chair David Ashby

Reaching a wider audience is vital to get everyone involved in considering the impact of their actions upon the environment. I recently spoke to a group of rural/lifestyle focused real estate agents about the importance of considering good farm management practices as part of their work. It was impressive to see the level of interest displayed by this group, with some of the agents requesting more information about upcoming lifestyle block workshops planned for 2018.

By connecting with a broad audience, we can encourage everyone to get involved in good management practice and to know what this looks like on their property – whether it is a two-acre lifestyle block, a 20 acre property or a large farm. We all have a part to play and we need to join forces to improve our waterways in Waimakariri.

To learn more 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 December 11th from 4-6pm.

News

Kaiapoi River Update

- Scientific surveys carried out by Environment Canterbury have shown high salt water intrusions as far up the river as the railway bridge.
- Salt water levels reached 75 per cent for periods of up to four weeks between February and July this year.



- A mix of different factors are producing these high salinity levels including: irrigation, historical river issues such as industrial pollution, climate change, low rainfall, dry summers, the impact of earthquakes and natural issues including the unique influence of the Waimakariri River on the Kaiapoi River.
- Now that we have the data we need to work together with the local community and other interest groups such as: Kaiapoi River Rehabilitation Group, Waimakariri District Council, local community boards and Ngai Tahu to determine the best way forward.

Wrybill nest destroyed at Ashley-Rakahuri River

- Last week a wrybill nest was destroyed by a 4WD vehicle at the Ashley-Rakahuri River
- Please look out for signs that the Ashley Rakahuri River Care have installed along the river to let the public know where rare birds, such as the wrybill, are nesting.

- Refrain from 4WD driving along the riverbed until February and keep your dog away from nesting areas to protect these rare birds.
- To get involved with the Ashley Rakahuri River Care Group click [here](#)

Events

Successful FEP and farm audit workshop engages rural professionals

- Over 25 rural professionals from the real estate, banking, fertiliser and agricultural consultancy sectors attended a recent FEP and Farm Audit Field Day event at Bruce Baggot and Claire McKay's dairy farm.
- The event which was jointly hosted by Environment Canterbury and WIL provided an opportunity for an in-depth look at how the FEP and audit help deliver improved environmental outcomes when used together.
- Attendees enjoyed the practical context of the day which allowed for plenty of questions and interaction.

Feedback – have your say

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](#)

For more information www.ecan.govt.nz/canterburywater

Waimakariri Zone Committee, a joint committee of



AGENDA ITEM NO: 3-4	SUBJECT: Regional Update – new consenting requirements for farmers	
REPORT TO: Waimakariri Water Zone Committee		MEETING DATE: 11 December 2017
REPORT BY: ECan Communications		

29 November 2017

Canterbury’s farmers heed new consenting requirements

Farmers across Canterbury have heeded strict new land use consenting requirements designed to improve water quality in the region.

“Earlier this year, we began a rigorous, targeted campaign to ensure that every farmer knew of their responsibilities, and how to approach them,” says Environment Canterbury’s Chief Operating Officer Nadeine Dommissie.

“Today, more than 90% of these farmers have taken the action required. This will have an enormous impact on water quality in the years to come,” she says.

Under the Canterbury Land and Water Regional Plan, many farms now require a land use consent to farm. The consent ensures that a farm is meeting its environmental responsibilities, including adhering to nitrogen loss limits.

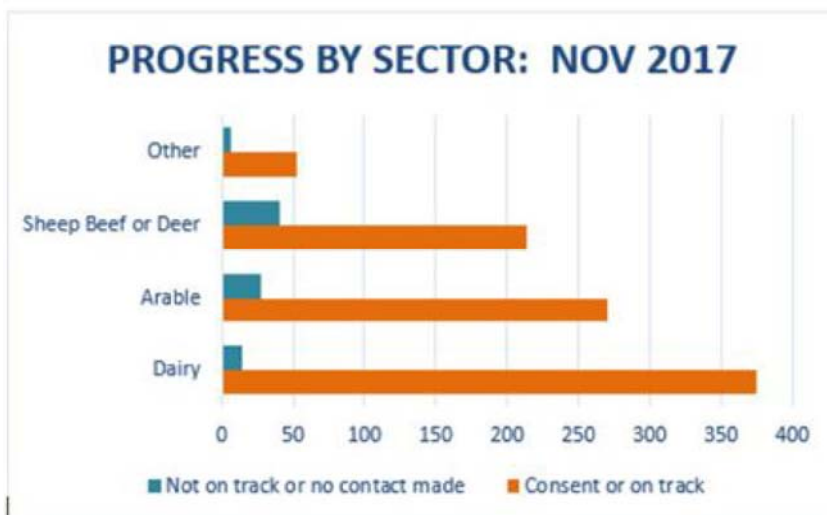
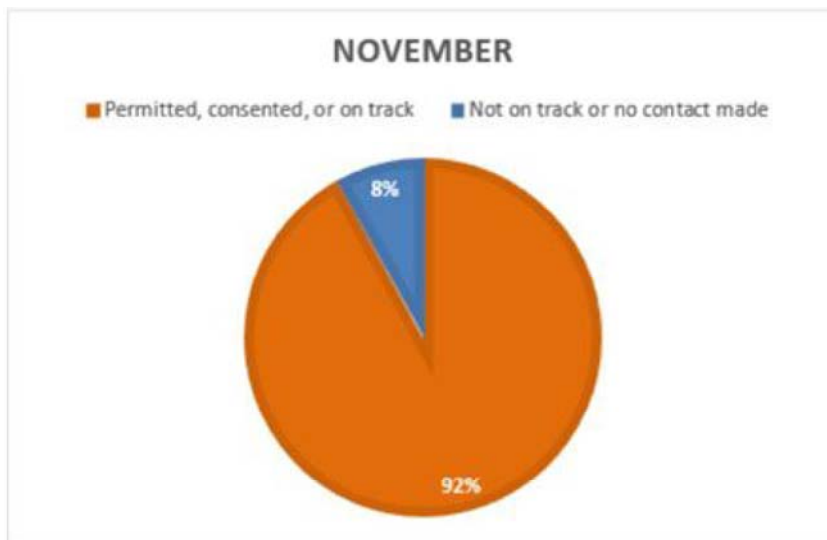
Eighty of the 1000 farmers contacted have yet to either act or advise Environment Canterbury of their progress. These farms have received formal warning letters this week.

Farmers were required to work out their nitrogen losses to determine whether they require a land use consent. Many require the services of a farm consultant to do so, and are on a waitlist for their nitrogen budget to be completed.

Nadeine Dommissie says that Environment Canterbury is aware of those on waitlists and that they will be exempted from the compliance visits to take place from early next year.

“We know that it takes time to complete a nitrogen budget, and we would rather these were done well. What’s most important is that farmers are taking the necessary steps required towards gaining their land use consent, whether that is implementing good management practices, determining the nitrogen budget, creating a farm environment plan, or applying for consent,” she says.

From December, Resource Management Officers will begin visiting farmers who have yet to either act or advise Environment Canterbury of their progress. “We’ll be visiting anyone who has not yet taken action or contacted us, because we are very serious about those who are not on track. Next year, we’ll start looking at issuing farming abatement notices to those who have still to take action.”



Memo

Date	11 December 2017
To	Waimakariri Water Zone Committee
CC	Murray Griffin and Jason Holland
From	Meredith Macdonald

Summary of discussions at the water quantity consent holder workshops

The purpose of this round of workshops was to engage with surface water and groundwater take consent holders in the Waimakariri Water Zone and ask about their water reliability, how they use the water, and what values they associate with their local waterways. It was also an opportunity for the Waimakariri Water Zone Committee (WWZC) to have initial conversations with these consent holders that will continue in 2018.

Summary on consent holder feedback

These workshops generated the following feedback on reliability for consent holders:

- Good reliability: Northbrook, McIntosh, Ohoka, Taranaki, Waikuku, Courtenay, Greigs Drain and Silverstream (poor reliability in the last 2 years)
- OK reliability: Cust River, Saltwater Creek and Upper Eyre
- Poor reliability: Cust Main Drain, No.7 Drain, Cam and Ashley

Key feedback across the catchments:

- Concern what changes to the minimum flows and allocation blocks will do to their reliability, therefore effecting their overall production and income.
- Concern about the cumulative effects of permitted activity water takes
- Existing Water User Groups want to be recognised in the Zone Committee process, and consider they are managing water in their catchment well
- Some catchments are water short particularly after December
- Monitoring of minimum flow sites need to be improved (e.g. increase gauging)
- The community use the rivers and streams in many ways including walking, fishing, swimming, seeing different types of fish, birds etc.
- Water use is influenced by soil type
- WIL has indirectly improved reliability for some takes

Questions for Zone Committee discussion:

1. Are the responses from these workshops what you expected?
2. Are there any responses, unexpected or otherwise, that you think need to be recognised?
3. As a result of these workshops, are there any gaps in knowledge or understanding the Zone Committee need more work on to inform the Zone Implementation Programme Addendum recommendations?

Use of this memo and associated Appendix

A more detailed summary of the feedback is provided to the Zone Committee for their review as Appendix 1. Currently the Appendix is a draft document which provides space for the Zone Committee to add their reflections from what they heard at these workshops.

It is recommended that the Zone Committee use this information as a guide to the reliability experienced by some water users in the catchment. While this document is a reasonably good guide to general reliability in those catchments (where there was a good turnout), there may be individual consent holders who experience different reliability. The feedback and comments in this memo and associated documents are of those water take users who attended the workshops and do not necessarily reflect all water user's views.

The discussions from these workshops will feed into work on the reliability analysis, assessing minimum flows and allocation blocks, instream ecosystems (values), and other key decision areas. This work will continue next year.

Workshop process

Having identified those surface water groundwater consent holders to invite they were contacted via a letter, emails and where time allowed a phone call from staff or Zone Committee members.

A consistent approach was taken to all six workshops. Each session started with a brief introduction and then attendees gathered in small groups (based on surface water catchments) around tables with a Zone Committee member and a staff member at each table. The staff member acted as facilitator/scribe. We asked the attending consent holders the following questions:

1. Tell us about your current reliability
 - a. How reliable is your supply?
 - b. Has reliability changed over the years?
 - c. Are there periods of the year when reliability is an issue?
2. Tell us about your water use
 - a. What do you use water for?
 - b. Which periods of the year is it most important you have good reliability?
3. Tell us how else do you use the streams and rivers near you?
 - a. E.g. Fishing, recreation?

Details of each workshop

Workshop	Date of Workshop	Community members Attended (% invited)
Cust Main Drain, Cust River and No. 7	6 November 2017	24 (32%)
Cam River, Three brooks and McIntosh Drain	8 November 2017	5 (13%)
Ohoka	9 November 2017	9 (21%)
Little Ashley, Waikuku, Taranaki and Saltwater Creek	22 November 2017	10 (17%)
Ashley Mainstem	22 November 2017	10 (38%)

Silverstream (Upper Kaiapoi), Courtenay and Greigs	23 November 2017	19 (20%)
---	------------------	----------

Photos from Cust and Silverstream workshops



Available but not attached:

- **Appendix 1: Draft Summary of Consent holder feedback for each Catchment**
- **Raw notes and photos of the maps from each table**

File reference:

Memorandum

TO: Waimakariri Zone Committee

FROM: Simon Harris, LWP Ltd

DATE: 1 December 2017

SUBJECT: Survey of consent holders

This memorandum is intended to provide a brief update on the survey of consent holders that was undertaken as part of the reliability consultation process. The primary purpose of the survey was to help understand the use of water by small consent holders, since it was considered they would be less likely to engage in the public consultation meetings.

- There have been only 21 respondents, who hold a total of 17 surface water consents and 22 groundwater consents.
- Most (57%) of the respondents had a total flow rate of more than 20 l/s with only 24% having less than 5l/s total flow rate.
- Most (70%) surface water consents were considered reasonably or very reliable (water available >80% of the time when needed).
- 60% of surface water and 70% of groundwater consent holders used all of their consents, and only 13% of surface water consent holder did not use their consents.
- Domestic water use was the largest single use, with 57% of holders recording this use. This includes the WDC responses and another consent that is used for a subdivision.
- The salmon hatchery was one of the respondents, who noted problems with reliability and water quality.
- The water was used for commercial purposes by approximately half of respondents, with irrigation the major commercial use. There were 3 dairy farms, and 5 holders used them for crops and 2 for horticultural purposes. The total irrigated area reported was 868 ha, although there were 5 respondents who reported the maximum area of 100 ha to the actual total is likely to be larger than this.
- There were only 5 consents (23%) who used the water all year round, with most using it during summer (95%), with less in spring 62% and autumn 38%.

While the low response rate is unfortunate, there is little additional that could have been done, with multiple reminders at public meetings and follow up emails. The information from the survey will still prove useful for the technical work, but details on the use by small consent holders will remain less than ideal.

AGENDA ITEM NO: 5	SUBJECT: Waimakariri 2018 On the Ground Work Programme – Update	
REPORT TO: Waimakariri Water Zone Committee		DATE OF MEETING: 11 December 2017
REPORT BY: Murray Griffin, CWMS Facilitator – Waimakariri, ECan		

PURPOSE

The current Waimakariri 5 Year Outcomes have set priorities and provided guidance. A good share of the milestones have been achieved or progressed to a point where they need to be refreshed and brought into today's context. Ideally a new work programme for the start of 2018 that the community can engage in.

The purpose of this update is to review the progress to date towards developing a refreshed and integrated work programme for the Waimakariri Zone. The starting point of this process was a Draft Workbook presented to the Zone Committee in October. The Outcomes and Actions outlined in the Workbook are high level and an accumulation of discussions that have occurred and aspirations that have been voiced over the past year. As noted in October, they are "concept only", open to reframing, or being placed on hold.

The aim of this approach is to on the ground actions and bond with the regulatory priorities to create connection, energy and our vision: Mō tātou, ā, mō kā uri ā muri ake nei - For us and our children after us.

BY WHO

This update will be provided by

- **Andrew Arps**, Zone Delivery Manager, Waimakariri – ECan

Andrew will provide an update on:

- His recent one-on-one conversations with the Zone Committee members
- Progress on priority on-the-ground projects
- Next steps for 2018 including alignment/integration with the Zone Committee's Land & Water Solutions Programme

RECOMMENDATIONS

- That the Zone Committee receive this update on the working draft of the 2018 On the Ground Work Programme as a basis for ongoing review and feedback.

In addition two recommendations are put to the committee in support of the priority on-the-ground actions as follows:

- To proceed with the engagement associated with the old Waimakariri wetlands and loop track project
- To extend the available Immediate Steps funding for the 'First 500' springheads project from \$30,000 to \$40,000