

**KAIKOURA WATER ZONE COMMITTEE MEETING HELD AT 12.30PM
ON WEDNESDAY 30 AUGUST 2017 AT FUNCTION ROOM, 3RD FLOOR
CIVIC BUILDING, 96 WEST END, KAIKOURA.**

AGENDA

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| 10. General Business & Future Meeting Priorities | |

TIMETABLE & ORDER OF BUSINESS

	12pm	Lunch	
	12.30	Field Trip – Kowhai River Reserve	
	1pm	Field Trip – Kowhai River Reserve	J Hill & P Grove
		<i>A field trip to Kowhai River Reserve to view aspects of this significant biodiversity site within the Zone.</i>	
	2pm	Field Trip – Return to Meeting	
	2.15pm	Afternoon Tea	
		Open – Karakia	
1	2.30pm	Committee check in & order of business	S Bragg & T Howard
		<ul style="list-style-type: none"> • Apologies • Announced urgent business • Confirmation of previous meeting minutes 	
2	2.45	Committee Updates	M Griffin / ZDT / ZC
		<i>An update on the committee's current priorities and actions from previous meetings. This includes an update from the Zone Delivery Manager, and the committee's working groups.</i>	
3	3.15	Clarence/Waiiau Toa – Immediate Steps Update	S Palmer & J Hill
		<i>An update on the Biodiversity Action Plan for the Clarence/Waiiau Toa in advance of the 2017/18 control programmes.</i>	
4	3.55	General Business	
	4pm	Close – Karakia	

AGENDA ITEM NO: 2	SUBJECT: Kowhai River Reserve – Field Trip
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 30 August 2017
REPORT BY: Jessica Hill, ECan Biodiversity Officer – Kaikōura	

FIELD TRIP – BACKGROUND

Kōwhai River Reserve, is a narrow strip of predominantly kānuka-broadleaf forest on the north-east bank of the Kōwhai River, situated within a River Protection Reserve owned by Environment Canterbury. The entire reserve is approximately 420 hectares, of which around 240 hectares remains predominantly in native vegetation. It is one of the few remaining examples of native forest on aggraded river gravels in the eastern South Island and has a very high ecological value. Forest types like this would have once been common on the river flats of the eastern south island, however they are now extremely rare, making the Kowhai River Reserve an extremely important area to protect and maintain in its entirety. The riparian vegetation is dominated by kānuka, māhoe, five-finger and pittosporum, podocarp species such as matai, kahikatea and tōtara are scattered within older forest patches.

Kowhai River Reserve provides an important ecological link between the coast and the Department of Conservation public land along the seaward Kaikōura Mountains. Kowhai River Reserve is a particularly important habitat for native birds hosting one of the last remaining populations of South Island robin and rifleman in lowland Canterbury; certainly the last in the Kaikōura area. In the 1970s SI robin and rifleman were still abundant within the reserve, however numbers have drastically declined since then. Several braided river bird species also frequent the Kowhai Riverbed adjacent to the riparian bush area, past observations include the South Island pied oystercatcher, pied stilt, banded dotterels, black billed gulls and black fronted terns.

University of Canterbury researchers have recommended that to address the extremely low survival rate of rifleman and robin at Kowhai River Reserve and to prevent local extinction, predator management is necessary. Without effective predator control it is likely that both of these species will become locally extinct in the near future. Many of New Zealand’s endemic bird species are naive to foraging behaviours of introduced mammals. For example, in contrast to introduced species, both young riflemen and young robin will sit on or near the ground raucously calling to be fed by their parents. This makes it easy for cats and mustelids to find and kill these birds. Adult robins also forage on the forest floor and riflemen nest in holes in trees, which makes them susceptible to predation by introduced predators. For riflemen nest predation at the site has been mitigated by the provision of nest boxes, which are readily used by this species. The University of Canterbury has monitored the nesting success of birds within the reserve since the 1970s, however other than Animal Health Board trapping for possums and the uncoordinated trapping by adjoining landowners, no targeted predator control has been occurring, until recently.

The field trip will involve a discussion around the ecological values of the Kowhai River Reserve, including looking at the existing predator control and monitoring work which is occurring.

WHO

- This field trip will be led by
 - Jess Hill (Biodiversity Officer, ECan) and
 - Phil Grove (Land Resources Scientist – Ecology, ECan)

WHEN

- The committee will meet as usual for lunch at 12pm before departing at 12.30pm from KDC offices.

	Karakia	
OPENING KARAKIA (one)	E Te Atua Tiakina teora Manaakitia mai te oranui Homai he kakano kiatipu ake ai Tiakina teora E Te Atua Amene	O Lord Guard our wellbeing Bless us Give us a seed so that it may grow Guide and protect us O Lord Amen
OPENING KARAKIA (two)	E Te Atua Manaakitia mai mātou E kimi nei i tenei taonga mo te hapori o Kaikōura Amene	O Lord Bless us Seeking this treasure For the community of Kaikōura Amen
CLOSING KARAKIA	Kia a tau kia tatou katoa, te atawhai o to tatou Ariki a Ihu Karaiti Me te aroha o te Atua Me te whiwhinga tahitanga ki te wairua tapu Ake ake ake Amene	Let it be with us all The grace of our Lord Jesus Christ The love of God The fellowship Of the Holy Spirit Forever more Amen

AGENDA ITEM NO: 8	SUBJECT: Committee Updates
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 30 August 2017
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

PURPOSE

The purpose of the agenda item is to provide the Committee with an overview of updates to be tabled.

COMMITTEE UPDATES

The following updates will be addressed with the Committee:

- **Request to move the Water Zone Committee Meeting Day**

The Kaikōura District Council have recently made the decision to meet twice a month given the current Council work programme and priorities. Consequently they will now meet on the second and fourth Wednesday of each month. This will mean Council meetings will on occasions clash with the Water Zone Committee meetings (scheduled for the last Wednesday of the month).

Decision: The Kaikōura District Council requests the Kaikōura Water Zone Committee consider moving its regular monthly meeting to the third Wednesday of the month.

- **Appointment of a Deputy Chair and Regional Committee representative**

The committee shall decide if it wants to appoint members to the currently vacant positions of Deputy Chair and CWMS Regional Committee representative by the following steps.

- Step 1. The committee shall decide to make these appointments at this meeting, or alternatively, at a later meeting.
- Step 2. If it is agreed to make these appointments at this meeting, the Chair shall call for nominees for each position.
- Step 3. Should there be more than one nominee for either of these positions the appointment process shall be undertaken by a simple ballot vote.
- Step 4. The Chair shall confirm those appointments for the remainder of 2017 and until the Zone Committee's first meeting in 2018 when the 2018 appointments for Chair, Deputy Chair, and CWMS Regional Committee shall be confirmed.

- **Working Group Updates**

An update on these Working Groups will be provided at the meeting.

- **Love the Lyell/Waikōau**
– The role and focus of this Working Group will be discussed.
- **Nutrient Management & Water Efficiency**
– An update on the Ministry for Primary Industries Earthquake Recovery Fund application is provided in the Zone Delivery update provided by Zone Manager Kevin Heays.
- **Regional Committee** – The previous CWMS Regional Committee meeting was on Tuesday 8 August. Ted Howard was able Skype into the Regional Committee meeting and provides the following meeting summary.

Summary of the 8 August CWMS Regional Committee Meeting

Tim Davie gave a report on the geochemistry of groundwater basically stating that the current indicators were only useful in making a simple binary decision - did the water

come from rain that fell in the mountains, or from rain that fell on the plains? Too many uncertainties present to say anything more than that with reliability.

There was also discussion of a series of wells at different depths being dug on the south side of the Waimakariri to fill gaps in the spread of existing wells, to try and answer the big picture question about whether groundwater is moving basically North South or East West. The wells will be at 50m, 100m and 150m.

Most of the meeting was taken up with discussion around the Canterbury Water Management Strategy Targets Report. There was substantial concern from several that we were still seeing degradation in practice, with lower surface water flows and increasing nutrients in several water bodies, and increasing dairy and irrigation in some areas.

Andy Pierce demonstrated some of the best chairmanship I have seen in action to achieve agreement on an outcome that noted both progress and concern from a group with very divergent value sets.

Summary of the 13 June CWMS Regional Committee Meeting

A summary of the 13 June Regional Committee meeting, provided by Matt Hoggard, was tabled at the 26 July Zone Committee meeting. A copy is included as agenda item 8-1.

Link to all Regional Committee meetings and agenda papers –

Link:

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

- **Zone Delivery – update**

Kaikōura Zone Delivery Manager, Kevin Heays, has provided an update on the ECan Zone Delivery Team priorities for this meeting, please refer to agenda paper 8-2.

- **Zone Committee Refresh 2017**

An update will be provided on the 2017 CWMS Zone Committee refresh, which is scheduled for October 2017.

- **Action Points from previous meetings** – an updated action list will be reviewed at the meeting.

RECOMMENDATION

The Zone Committee are asked to receive these updates for their information, and with reference to the committee's 2017 work programme priorities.

AGENDA ITEM NO: 8-1	SUBJECT: CWMS Regional Committee Report – 13 June Meeting
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 30 August 2017
REPORT BY: Matt Hoggard, CWMS Regional Committee Representative – Kaikōura	

Summary of 48th CWMS Regional Water Management Committee – 13 June 2017

Items of interest

Item 6 – Zone Committee updates

A number of good updates were provided by the other zone committees. Of interest was the appointment of a mahinga kai facilitator to the Selwyn /Waihora zone. The intention is to ensure that farm plans consider and provide for mahinga kai.

Item 7 – CWMS Targets Reporting

A workshop was held on the targets and some sound discussions. These discussions highlighted the need for data and monitoring and the difficulty in achieving these targets.

Item 8(b) – Education and Communications Update

The location of all enviro schools for Canterbury was provided in a map, it was interesting to note the lack of enviro schools within the Kaikoura District.

Item 9 – Recreation and Amenity Draft River and Lake Swimming Report

The reports focus was initially on river which were swimmable and used for swimming. Wading and playing in the water was considered to be just as important recreational activity and the report focus of the report was widened. The draft still contains requires a few additional in the Kaikoura Zone but is sound document which outlines the importance of these areas.

Item 10 – Havelock North Investigations

Inquire are underway in relation to the contamination incident at Havelock North. This is occurring in a two stage investigation Stage 1 covers how it happened and Stage 2 focuses on why it happened. To date stage 1 has been completed, with Stage 2 due in December 2017.

Stage 1 found:

- Approximately 5500 residents in Havelock North became ill with campylobacteriosis from contaminated drinking water supplied by two bores on the outskirts of town.
- The drinking water was sourced from the Te Mata aquifer under the Heretaunga Plains. It was thought this aquifer was a confined aquifer so no treatment was deemed necessary.
- Heavy rain inundated paddocks neighbouring bores causing contaminated water (likely from sheep faeces) to flow into a pond about 90 metres from the bore.
- The pond water entered the aquifer and flowed across to Brookvale Road bore 1 and into the reticulation system.
- The Inquiry found that the Te Mata aquifer was not confined and was vulnerable to contamination. The aquifer had also been penetrated by a significant number of disused or uncapped bores, leaving it vulnerable to entry from contamination.

- The Inquiry found that the failings, most notably by the Regional Council and District Council, did not directly cause the outbreak, although a different outcome may have resulted.
- Hawke's Bay Regional Council's knowledge and awareness of aquifer and catchment contamination risks near Brookvale Road fell below required standards. It failed to take specific and effective steps to assess the risk of contamination, including through its resource consent processes; its management of uncapped and disused bores in the vicinity; its State of the Environment and resource consent monitoring work; and its liaison with the District Council. It also imposed a generic condition on the water take permits granted to the District Council that did not meet the necessary standards and then failed adequately to monitor compliance with the conditions of the permits.
- Hastings District Council did not learn from past outbreaks and E.coli transgressions. It did not implement the high standard of care required of a public drinking water supplier. Mid-level managers did not provide adequate supervision in this area which also resulted in delays to preparing a Water Safety Plan. Maintenance of plant equipment and record keeping was inadequate and contingency planning was lacking.
- The Drinking Water Assessors were too hands-off in applying standards and did not push the District Council to meet its responsibilities.
- The poor relationship between the Regional Council and District Council was key to creating a lack of trust, collaboration and ability to work together.
- The two authorities have now partnered with the District Health Board to form a Joint Working Group to improve relationships and focus on the recommendations from the Inquiry.
- Until the security of the water source and bores can be assured, treatment of water in Havelock North and Hastings continues.

AGENDA ITEM NO: 8-2	SUBJECT: Zone Delivery – Monthly Update
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 30 August 2017
REPORT BY: Kevin Heays, ECan Zone Manager – Kaikōura	

KKZCM August 2017 – Update notes from Zone Manager & Team.

- **Love the Lyell Group**

The Love the Lyell group, although not convening, has been kept up to date with any developments around our Creek. These have been minimal, although the high level Recovery Group continues to meet. Major decisions around the damaged embankments and neighbouring land are expected in the near future. The Love the Lyell group will then meet and plan in earnest.

Drainage systems into the creek and its subsidiaries are being cleaned by ECan rivers contractors and owners of such, are being asked to do the same- or at least a moving waterway is present.

- **Nutrient Management & Water Efficiency Group**
Jodie (Land Management Advisor) and Chloe (the Return)

Both Jodie and Chloe have been working hard on preparatory plans for the launch of the Kaikōura Flats Recovery Project. This has entailed meeting with stakeholders and farmers (initially via the ZC's Nutrient Management Group) to get a feel of what our farming community would like the project to like and discuss possible outcomes.

The project application for funding from MPI was successful and they are keen for it to proceed ASAP.

Watch this space – some more detail at this meeting

- **Biodiversity**

Jess Hill – will provide a verbal report at the meeting.

- **Earthquake Recovery**

Jan Crooks – work in this area is now considerably clearer as the appointment by KDC of a Case Manager was made. This role is to guide and advise individuals and community through the demolition/deconstruction/repair best practices. Jan becomes involved, in simple terms, when disposal methods are planned.

- **Communications**

- A Kaikōura one pager is being prepared for publication now. This takes the format of a collaboration between KK Zone Team, KDC, Fonterra and Dairy NZ with snippets of easily read and understood, timely information and advice around current practices in farming as well as urban business.
- It (hopefully) reinforces and addresses the need for urban dwellers to understand what is going on in rural business lives at this time.
- Public communications around personal care and safety in riverbeds is being published.

- **Consents**

Gravel extraction remains very busy – as do concrete plants and applications. Trucking activity has changed as the tasks change – e.g. Trailers-on-trucks are in less use, most stockpiled slip material has been removed to permanent sites or re-used, etc.

Marty Mortiaux's monitoring of NCTIR & Rail consents is going smoothly with no immediate concerns.

- **Threats/Potential issues – progress as reported last meeting**
 - Rural Sewer systems.

Rachel's work around rural septic tank systems continues. She is identifying all septic system owners and checking if the systems have been checked for functionality – if so by whom, and the result of that check. If the system hasn't been checked a visit is made to ascertain the need to have a check done. Rachel is also mapping and coding her findings – with the intention of seeing if a mapped and illustrative pattern emerges.

Rachel is working collaboratively with Doug Barker (KDC Building) on these calls and visits.

AGENDA ITEM NO: 9	SUBJECT: Clarence/Waiiau Toa – Immediate Steps Update	
REPORT TO: Kaikōura Water Zone Committee		DATE OF MEETING: 30 August 2017
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura		

PURPOSE

The purpose of this agenda item is to provide the committee with an update on the Biodiversity Action Plan for the Clarence/Waiiau-toa. This management plan is proposed as a 5 year work programme, from 2016 to 2020, building on the success and collaboration established through weed management in the catchment over the last two and half years.

BACKGROUND

- The Kaikōura Water Zone Committee funded three Immediate Steps projects in the upper and lower Clarence/Waiiau-toa in 2015. The combined funds committed by the committee came to \$148,000.
- The Kaikōura Water Zone Committee committed to ongoing Immediate Steps funding in the upper and lower Clarence/Waiiau-toa for 2016 to 2020. The combined funding by the committee is \$250,000 based on \$50,000 per year for five years.
- The aim of these projects was and is to protect braided river habitat from the threat of weeds to ensure that the native flora and fauna can continue to thrive.
- This aligns with the committee's 5 year outcomes as follows:

OUTCOME 2: Maintain the unique wilderness and undeveloped character of the Clarence/Waiiau Toa through maintaining biodiversity, enhancing natural values and mahinga kai

Milestones:

- i. Address the pest and weed issues on the Clarence/Waiiau Toa
 - Establishment of priority areas for the catchment
 - Integrated pest and weed control strategy developed
 - IMS funding for all priority areas implemented
- ii. Options for long term protection of the Clarence/Waiiau Toa high naturalness values will be investigated and a decision reached with key stakeholders

WHO

- This update will be led by
 - Jess Hill (Biodiversity Officer, ECan) and
 - Steve Palmer (Biosecurity Advisor Special Projects, ECan)

RECOMMENDATIONS

The Zone Committee are asked to receive this update for their information and comment, and with reference to the committee's 5 Year Outcomes and 2017/18 work programme priorities.