

**KAIKOURA WATER ZONE COMMITTEE MEETING HELD AT 12.30PM
ON WEDNESDAY 26 APRIL 2107 AT MEMORIAL HALL SUPPER
ROOM, ESPLANADE, KAIKOURA.**

AGENDA

- 1. Karakia** *page 1*
- 2. Introductions & Committee Check In**
- 3. Apologies**
- 4. Matters of Importance to be raised as Urgent Business**
- 5. Confirmation of Minutes 29/03/2017** *page 2*
- 6. Opportunity for the Public to Present**
- 7. Committee Updates** *page 6*
- 8. Kaikoura Zone Delivery Team** *page 7*
- 9. Kaikoura Water Zone Monitoring – update** *page 9*
- 10. Planning Options for Kaikoura Water Zone - briefing** *page 10*
- 11. General Business**

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: 7	SUBJECT: Committee Updates
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 26 April 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:

- **Working Group Updates**
 - **Love the Lyell/Waikōau**
 - **Nutrient Management & Water Efficiency**
 - An update on these Working Groups will be provided at the meeting.
 - **Regional Committee** – A short update on the Regional Committee meeting held on Tuesday 11 April will be tabled.
 - The following link takes you 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, will provide an update on the ECan Zone Delivery Team priorities at this meeting.
- **Action Points from previous meetings** – an updated action list will be provided for discussion 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	SUBJECT: Zone Delivery Team – Quarterly Update
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 26 April 2017
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

UPDATE

The Kaikōura Hurunui-Waiiau Zone Delivery Team, which has now been operating since April 2015, was the first of six Zone Delivery Teams to be established in Canterbury to support the region's 10 zone committees.

The Kaikōura Zone Delivery Team are:

- **Kevin Heays**, Zone Delivery Manager
- **Jodie Hoggard**, Land Management Advisor, Kaikōura
- **Jess Hill**, Biodiversity Advisor, Kaikōura and Hurunui/Waiiau
- **Robin Hubbard**, Resource Management Officer – Monitoring and Compliance, Kaikōura and Hurunui/Waiiau
- **Peter Taylor**, Resource Management Officer – Monitoring and Compliance, Kaikōura and Hurunui/Waiiau
- **Jan Crooks** – seconded, earthquake recovery
- **Marty Mortiaux** – seconded, earthquake recovery

Kaikōura 5 Year Outcomes 2015 – 2020

The Kaikōura Water Zone Committee adopted a set of 5 year outcomes and milestones at its April 2015 meeting. These outcomes and milestones have been used as the primary focus of the work programme for the Zone Delivery Team. One additional outcome 'one-off' projects', was added to ensure all areas of Zone Delivery Team activity are covered.

Progress against the committee's 5 Year Outcomes and Milestones

- The Zone Delivery Team will provide a presentation overview their achievements and priorities over the first quarter of 2017.
- Attached as agenda item 8-1, is a table providing a summary of actions against the 5 Year Outcomes for the first quarter of 2017. The table also includes a comparison with the third quarter of 2016.

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.

AGENDA ITEM NO: 9	SUBJECT: Kaikōura Water Zone Monitoring – update
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 26 April 2017
REPORT BY: Murray Griffin, CWMS Facilitator - Kaikōura	

PROPOSAL

An update will be provided by the ECan Science Team on post-earthquake water monitoring and current understanding of surface water and groundwater in the Zone.

This briefing will cover:

- Initial assessment of state of waterways
- Current surface water quantity monitoring
 - o the state of recorder stations
 - o dam failure/flood risk warning measures
- Current surface water quality and ecology monitoring
 - o Where routine water quality monitoring is able to be carried out
 - o Initial monitoring does not identify any obvious step changes in water quality data. There is a level of uncertainty around such a short data set whether the water quality result reflect the usual variation seen in individual water quality results, or if these results are due to the earthquake. More monitoring is required to show long term changes with a larger data set.
- Current groundwater monitoring
 - o Currently uncertainty around whether the groundwater levels changes seen in some wells are long-term changes
 - o Also uncertainty about the climate impact vs earthquake impact on groundwater levels
 - o Some apparent short-term fluctuations seen
 - o Several years away from being able to say whether there have been long-term changes in groundwater levels post-quake
- Current issues and challenges in building an understanding of local waterways post-earthquakes
- An overview of the ongoing science monitoring for the Kaikōura water zone.

BY WHO

This briefing will be provided as the focus of this workshop by:

- Kimberley Dynes, Ecology Scientist, ECan
- Suzanne Gabites, Senior Hydrology Scientist, ECan
- Hamish Graham, Hydrogeologist, ECan

RECOMMENDATION

- That the Committee receives this briefing to advance the knowledge of the post-earthquake state of waterways within the Kaikōura Zone.

AGENDA ITEM NO: 10	SUBJECT: Providing fit for purpose support post-Earthquake
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 26 April 2017
REPORT BY: Andrew Parrish, Regional Planning Manager (ECan) & Ian Brown, Principal Strategy Advisor – Land (ECan)	

Purpose

1. This paper provides additional background to the Kaikōura Water Zone Committee to provide further information on the concept discussed by Chairman Bedford at the February Zone Committee meeting.
2. This proposal is to
 - I. Support initiatives to develop an Ag-sector led Farm Business and Land Recovery Programme
 - II. Enable and support the Kaikōura Water Zone Committee to achieve on-the-ground practical actions
 - III. Making changes to the scheduled Planning work in order to focus on ii) above.

Background

3. The Kaikōura CWMS zone was significantly impacted by the November 2016 earthquake with a significant number of farms in the zone suffering extensive earthquake damage.
4. For many farmers there are significant challenges in dealing with the impacts of this event. For some, this includes dealing with questions about the long-term viability of their farming operations. At this time, the Kaikōura farming community is in recovery mode.
5. Environment Canterbury is focused on identifying how we can support the work other agencies and industry groups are already doing, what support is needed specifically from Environment Canterbury, and what changes may be needed to already planned work programmes including the development of a Kaikōura sub-region chapter to the LWRP.
6. Discussions are occurring within the agricultural sector who are involved in collaborative work to set up a Farm Business and Land Recovery Programme, governed by a group made up of farmers, Beef and Lamb NZ, Federated Farmers, MPI, local authority elected representatives and Ngāti Kuri.

Proposal

- A. *That Kaikōura Water Zone Committee support initiatives to develop an Ag-sector led multiple party package of on-the-ground initiatives.*
- B. *That work programmes for the Kaikōura Water Zone Committee are focused, on action-on-the-ground and post-earthquake support.*
- C. *That plans for the development of a separate sub-regional plan for the Kaikōura zone are cancelled or postponed to a later date:*

Explanation

Supporting Ag-sector Farm Business and Land Recovery Programme

7. A key part of the proposal is Environment Canterbury support for and involvement in the development of a multi-party package of on-the-ground initiatives. Beef and Lamb NZ has been coordinating initial thoughts on package content. To date ECan has had limited involvement in these discussions.
8. There are genuine local concerns about outside agencies (including ECan) taking over such a package. We acknowledge that this should be an Ag-Sector led package, helping to ensure there is a strong sense of community ownership and commitment to the outcomes. The key to making it work for local communities will be the commitment from all parties to local leadership. Environment Canterbury will continue to offer its support and assistance.

On-the-ground initiatives

9. It is expected that if the Zone Committee accepts the proposal, the focus of the committee would shift to developing a package of on the ground actions to assist the rural community of Kaikōura to recover from the earthquakes and at the same time focus on managing the environmental effects of their land use activities to improve environmental indicators such as E.coli and nitrogen concentrations which can affect water quality.
10. Without prejudging the content of any package it could include:
 - Assistance with in the identification of options for earthquake damaged land. This includes facilitating discussions and collating information on land remediation options. It could also include an analysis of future land use options for those areas most severely earthquake damaged. Some of these could include options that transcend property boundaries.
 - Assistance with the preparation of FEPs that meet ECan requirements for quake impacted sheep and beef properties and working with these farmers to implement these plans. These could also include a financial analysis component where alternative land use options are under consideration.
 - Working towards riparian plantings on all waterways on the Kaikōura Plains over the next 5 years. This could be done in combination with stream bank reshaping required as a result of the earthquake.
 - Setting up a native plant programme modelled on the successful Regional Council programmes in other regions which have been running for a number of years. The availability of good supply of reasonably priced native plants could be a catalyst for enhanced riparian planting through the zone.
 - Assisting the 24 dairy farmers in the Kaikōura zone to implement actions identified through their partially completed FEPs (Dairy NZ initiative).
 - Specific science work to inform on-the-ground initiatives and to monitor progress towards the achievement of community and environmental outcomes.
11. A package of this nature doesn't remove the need for discussions and initiatives on topics such as biodiversity management and braided river bed management.

Planning implications:

Kaikōura Zone

12. Staff believe that with the disruption caused by the earthquakes, the detailed work of a sub-regional plan is an unwanted encumbrance on a community focused on recovery and on-the-ground actions including implementation of the anticipated Farm Business and Land Recovery Programme.
13. Staff further believe that current plan provisions (including Plan Change 5 proposed adjustments) are sufficient as the basis for maintaining or improving water quality in the Kaikōura zone, without the need for a plan change. Limits on the quantity of water available for out of stream uses have also been established for all rivers within the zone. Some further detailed analysis may be required to confirm this.
14. If a no plan change process is undertaken in these areas, Council would rely on current plan provisions achieving NPS-FM 2014 implementation for these areas. Alternatively, any necessary changes to ensure NPS-FM 2014 compliance could be progressed through a future regional-wide Omnibus plan change.
15. Cancelling or postponing these plan changes provides greater opportunities to focus attention in the areas where it is most needed at this time.

Conclusions:

16. The Ag-sector led Farm Business and Land Recovery Programme expects to be part of the budget round initiatives announced in May. We will continue to support the programme.
17. Staff will continue to work with the Kaikōura Water Zone Committees to identify on-the-ground initiatives that will dovetail with the proposed Farm Business and Land Recovery Programme, and to continue to discuss and confirm Planning schedules.
18. Staff will continue to keep the Kaikōura Water Zone Committee updated on developments which affect the Kaikōura zone.

Outcomes

Kaikoura Zone - Work Programme

Milestones this quarter
(April 2017 update)

Milestones this quarter
(Oct 2016 update)

5 Year Outcomes

1	<i>Drinking Water</i>	A safe water supply (meeting NZ Drinking Water Standards) from all community water schemes	Both Marea have safe water adequate to the community's needs. The Zone Committees action has been achieved in terms of what the zone team can do but this will remain in KDC's ongoing work programme. KDC has accepted responsibility for providing the zone committee with community water supply test results on a monthly basis.	ZC action achieved – October 2017. Rural drinking water supplies and communication around this, exploring how zone committees communications plan could assist.
2	<i>Clarence/Waiatu Toa</i>	Maintain the unique wilderness and undeveloped character of the Clarence/Waiatu Toa through maintaining biodiversity, enhancing natural values and mahinga kai	Predator trapping to protect the Black Fronted Tern colonies is well underway. Some nesting has begun on the constructed islands, no chicks have hatched yet. Stakeholder workshop held regarding Clarence/Waiatu Toa Biodiversity Action Plan and draft plan currently being revised as per stakeholder feedback. Black Billied Gull project is underway, awaiting nesting to start. Signs were installed at the mouth of the river to raise awareness of the braided river nesting birds.	The Clarence River Black billed gull project is currently on hold due to the earthquakes, the project will recommence in September/October 2017. The Clarence River black fronted tern restoration project has been completed for the 2016/2017 nesting season (Year 2). 479 predators were captured in total throughout the season, the survival rate of black fronted tern chicks was greatly improved, with treatment colonies (trapping and island creation) fledged significantly more chicks than non-treatment colonies. 202 black-fronted tern chicks fledged from nests on the upper Clarence and Acheron Rivers during the 2016/2017 season, 147 from treatment colonies and 55 from non-treatment colonies. The Clarence weed control programme is currently underway and was delayed due to the earthquakes, fires and helicopter availability.
3	<i>Wetlands</i>	Remaining wetlands in the zone are maintained, protected and restored allowing for safe mahinga kai.	IMS wetland project approved by ZC for wetland protection and enhancement, Swan Creek Wetland (\$10,255). Management plan for Warrens Creek Wetland developed with restoration actions identified, no IMS funding required at this stage.	There are lots of new springs and wet areas which have appeared in the Kaikoura Zone as a result of the earthquakes. Wetland information postcards for landowners have been developed to raise awareness and offer advice/support for new wet areas and springs. Tirohanga Lagoon has also been a focus in the past quarter, refer to the transport corridor outcome for more information.
4	<i>Nutrient management</i>	Nutrients are being managed to ensure the water quality outcomes on the Kaikoura Plains are at an acceptable level as defined by the Land and Water Regional Plan	The Nutrient management working group organised a Red Zone workshop at the September ZC meeting. An irrigation field day was held in October, which was well attended by landowners and industry, the Nutrient Management Working Group organised this day, industry supported the event with INZ doing the content.	Productive relationships continue with Fonterra. An introductory paragraph on 'On Farm Biodiversity' and 'Wetland/Waterway Management' has been created for inclusion in the Fonterra Riparian Waterway Management Plans. Four farms have been visited, since late January 2017 and are interested in continuing a conversation around waterway fencing/planting and/or possibilities of funding. Many of our farmers are still very busy post-earthquake and now two large main events. All dairy farmers have their FEP's done. Scope is available to see what assistance can be offered in helping them achieve actions within their FEP's. Around 9 have been ear tagged to approach directly. In terms of Sheep & Beef approx. 15 have FEPs done. Around 7 have been ear tagged to offer assistance with their next steps. Further workshops are required and will be investigated to offer. During May Fonterra are running 2 hour 'one on one' sessions for the dairy farmers, to produce consent applications on their behalf. Fonterra are expecting all red zone farmers to attend.
5	<i>Lylli Creek/Waikōwhiri</i>	In-stream ecosystem health is improved to allow for safe mahinga kai and recreational use of the Lylli Creek/Waikōwhiri catchment	Lylli Creek community planting and clean up event held in September. Over 70 children involved and 550 plants planned. Even in partnership with Trees for Travellers, MainPower and Fonterra. Site visits started to the potentially leaking septic tanks.	Lylli Creek and the planting achieved to date was severely damaged by the earthquake. A Lylli Creek recovery interagency working group has been established between Environment Canterbury and Kaikoura District Council to facilitate the recovery of Lylli Creek. To date on the rural side of Lylli Creek, the river engineers have re-battered and cleared Lylli Creek to allow flow during a flood event, all fences have been replaced and have an appropriate buffer distances from Lylli Creek. Restoration options are currently being investigated by the zone team.
6	<i>Earthcheck</i>	Ensure Kaikōura's Earthcheck status is not undermined by the declining state of waterways	Working with KDC to determine where we can support EarthCheck.	Not currently a priority.
7	<i>Transport Corridor Impacts</i>	Environmental values of waterways are not undermined by the transport corridor through the zone	Inventory of all waterways crossing SH1 underway, investigating any impact the transport corridor has on waterways.	Inventory of waterways has been extremely useful with the SH1 repair works and consent applications. Various parts of Environment Canterbury are involved in the SH1 process with NCTIR (consents, ecologists, compliance). Of key interest currently is the Tirohanga Lagoon area, we are working with the NCTIR ecologists and design team to feedback into mitigation around the wetland and the rail corridor design.
8	<i>Community Engagement</i>	To continue to broaden the Kaikōura community's awareness and involvement in water management issues and initiatives	The Clarence special edition newsletter, coverage in The Star - irrigation workshop, community planting day, immediate steps, Lylli mouth opening.	Waterwise brochure has been sent out to all households. Annual report (2016) completed and will be presented to Environment Canterbury Councilors in June. Distribution of the annual report to the whole community has been requested. Exploring how the communications plan can assist around the rural water drinking supply.
9	<i>Prompt Response to One-off Issues</i>		All one-off projects are responded to on a timely basis	Post-November a lot of one-off issues with landowners were assessed by the Land Management Advisor and Fonterra and timely solutions were developed as required. Fonterra has been excellent at responding to landowners and supporting them as needed.

