

**KAIKOURA WATER ZONE COMMITTEE MEETING HELD AT 12.30PM  
ON WEDNESDAY 20 SEPTEMBER 2017 AT COUNCIL CHAMBERS, 2<sup>ND</sup>  
FLOOR CIVIC BUILDING, 96 WEST END, KAIKOURA.**

***AGENDA***

- |  |                       |
|--|-----------------------|
| <b><i>1. Karakia</i></b>   | <b><i>page 1</i></b>  |
| <b><i>2. Committee Check In and Order of Business</i></b>              | <b><i>page 2</i></b>  |
| <b><i>3. Apologies</i></b>   |                       |
| <b><i>4. Matters of Importance to be raised as Urgent Business</i></b> |                       |
| <b><i>5. Confirmation of Minutes 30 August 2017</i></b>                | <b><i>page 3</i></b>  |
| <b><i>6. Committee Updates</i></b>                                     | <b><i>page 9</i></b>  |
| <b><i>7. Five Year Outcome Review – workshop</i></b>                   | <b><i>page 23</i></b> |
| <b><i>8. What’s happening in our Rivers? – Briefing</i></b>            | <b><i>page 26</i></b> |
| <b><i>9. General Business &amp; Future Meeting Priorities</i></b>      |                       |

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

## TIMETABLE & ORDER OF BUSINESS

	12pm	<b>Lunch</b>	
		<b>Open – Karakia</b>	
1	12.30pm	Committee check-in & Order of business	T Howard
		<ul style="list-style-type: none"> <li>• Apologies</li> <li>• Announced urgent business</li> <li>• Confirmation of previous meeting minutes</li> </ul>	
2	1pm	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	1.50	Five Year Outcomes Review – workshop	M Griffin / K Heays
		<i>An opportunity for the committee to review and update its 5 Year outcomes.</i>	
	2.55	<b>Afternoon Tea</b>	
4	3.10	What's happening in our Rivers? – Briefing	I Heslop
		<i>An update on current activity in local Rivers from ECan River Engineering Principal, Ian Heslop.</i>	
5	3.55	General Business	
	4pm	<b>Close – Karakia</b>	

**MINUTES OF THE KAIKOURA ZONE WATER COMMITTEE MEETING  
HELD AT 2.03PM ON WEDNESDAY 30 AUGUST 2017 AT  
FUNCTION ROOM, 3<sup>RD</sup> FLOOR CIVIC BUILDING, 96 WEST END,  
KAIKOURA.**

**PRESENT:** Ted Howard (Chair), Tony Blunt, John Murray, Gina Solomon, Teri Sonal, Aroha Boyd, Cr Steve Lowndes.

**IN ATTENDANCE:** Neville Brightwell (Rainer Irrigation Ltd), Daniel Marris (Amuri Helicopters Ltd), John Benn (DOC), Kevin Heays, Jess Hill, Chloe Armour, Steve Firth, Nadeine Dommissie, Murray Griffin, (ECan Staff), and Suzanne Syme (Committee Secretary).

**APOLOGIES:** Cr Celeste Harnett, Nicky McArthur.

***Moved by T Blunt, seconded by T Howard and resolved that apologies be accepted.***

**1. MATTERS OF IMPORTANCE TO BE RAISED AS GENERAL BUSINESS**

No urgent business was raised other than topics already on the agenda.

**2. CONFIRMATION OF MINUTES 26 JULY 2017**

***Moved by T Blunt, seconded by G Solomon and resolved that the minutes of the Kaikōura Zone Water Committee meeting held on 26 July 2017 be confirmed a true and accurate record.***

**3. COMMITTEE CHECK-IN**

Each committee member gave a brief check-in and update. Some of the topics raised during this included:

- S Lowndes was undertaking the role of Chairman for Environment Canterbury in D Bedford's absence.
- Tuia meetings held with the Runanga and Environment Canterbury. It was felt these were a great learning opportunity and supported the work being undertaken by the Water Zone Committee.
- Acknowledgement of the work M Bennett had contributed to putting together the application to Ministry of Primary Industries for the Kaikōura Flats Recovery Project. \$600,000 had been obtained for the project. The Committee would be updated monthly on the progress of the project. One of the reasons the project was successful was because it was a community driven project. The project would be run by a governance group which would include Kaikōura Flats farming representatives. It was suggested that more community representation was required on the group. It was generally felt that the sector would come to the right conclusion about who should be on the project governance group.
- Hutton's Shearwater were back. The large contribution to the project by Lynsday Rowe was acknowledged.

#### **4. COMMITTEE UPDATES**

##### **Committee Refreshment Process**

The Committee had requested the possibility of undertaking the Committee refreshment earlier than proposed given a resignation had been received. M Griffin advised that applications were invited across all Zones from 11 September and would be open for a month. Following this the selection process would take place. Selection workshops were held between 16 October and 10 November and then appointments were ratified by both Councils before the end of December 2017. The Committee was in a position to potentially bring on two new members. It was felt little would be gained by any change to the current refreshment schedule.

##### **Meeting Dates**

The Kaikōura District Council was considering changing its meeting dates to allow for fortnightly meetings. They had requested the Committee consider holding its meetings on the 3<sup>rd</sup> Wednesday of the month to allow for Council to hold its meetings on the 2<sup>nd</sup> and 4<sup>th</sup> Wednesdays of the month. It was noted the Committee held its meeting on the last Wednesday of the month currently and on months where there were five Wednesdays there would not be a clash in the current situation however on those months where there were only four Wednesdays the meetings would clash.

The change of date did work in with meetings of other Committees. It was agreed the meeting day would be changed to the third Wednesday of the month. The meeting dates for the next year were to be circulated.

##### **Appointment of Deputy Chair and Regional Committee Representative**

The resignation of M Hoggard had meant that these two positions now needed to be filled.

##### ***Deputy Chair***

G Solomon was nominated for the position of Deputy Chair by A Boyd. No other nominations were put forward.

G Solomon was appointed Deputy Chair.

##### ***Regional Committee Representative***

It was suggested that the Chair and Deputy Chair dually hold the role. T Howard offered to undertake the role of Regional Committee Representative until the end of the year.

It was noted a new Chair, Deputy Chair and Regional Committee representative would be appointed at the first meeting in 2018 as usual.

##### ***Love the Lyell***

The group had not been convening but had kept up to date with developments regarding Lyell Creek. C Armour and J Hill had provided feedback with regard to planting reinstatement and bike track extension plans on the State Highway 1 (Beach Road) Deviation on behalf of the Group. A copy of the feedback was tabled.

The Lyell Creek Land Recovery Taskforce had been incorporated into district recovery. It was intended that someone from Environment Canterbury be part of the group. It was felt it was good for landowners that this area of work had moved to a local level.

The District Recovery Manager and a Geotechnical expert had visited properties with land damage along Lyell Creek. T Sonal was keen for immediate steps information to be provided to property owners along Lyell Creek.

### **Zone Delivery Update**

J Hoggard and C Armour had been working on plans for the launch of the Kaikōura Flats Recovery Project. This entailed meeting with stakeholders and farmers to understand what the farming community would like the project to look like and discuss possible outcomes.

It was important to note that the funding had been approved by the Ministry for Primary Industries for two main reasons one being the quality of the application and the second the community driven nature of the project.

There had been no issues noted in terms of gravel extraction permits or consents.

### **Rural Sewer Systems**

This had become a major piece of work. Work was being undertaken in conjunction with the Kaikōura District Council Building Control Authority to ensure sewer systems had been checked with the aim of finding out which sewer systems had been damaged and not repaired and were still being used.

### **Water Supplies**

A discussion was held regarding water supplies and boil water notices which were in place. G Solomon felt it was important for communities who were on boil water notices to have enough detail regarding the problem with the water supply. People were more content if they understood the reason for a situation. It was suggested the Committee could assist with communications with regard to boil water notices.

### **Communications**

A copy of Kia Ora from Kev from that days edition of the Kaikōura Star was tabled at the meeting.

### **Regional Committee**

A report from the meeting held on 8 August was included in the agenda for information.

### **Action List**

The Action List was tabled and is included as appendix 1 for information.

### **Sub Regional Planning**

The Committee had until December 2018 to decide which approach it wished to take with regard to its sub regional plan. It was requested that the options be presented in a way which was easy for the Committee to understand.

T Sonal noted the Committee were being asked to consider not undertaking a full review because it would save money however nothing had been provided to say the money saved could be used elsewhere. S Lowndes advised that sub-regional planning was expensive and time consuming. A more targeted approach would save time and money which could potentially be spent on the ground. It was noted the environment was changing very quickly if there was an omnibus plan it could be reviewed in two or three years.

The questions were asked regarding what the Committee wanted in terms of water related matters in the Zone and how did it get there? It was noted the Committee needed to identify what it wanted to achieve and what that meant in terms of the current planning which was in place.

### **5. CLARENCE/WAIAU TOA – IMMEDIATE STEPS UPDATE**

D Marris from Amuri Helicopters was in attendance to present this item. An overview of the weed pest control work undertaken within the Clarence catchment to date was provided. The introduced Gall Mite was making a difference in the areas where it had been released. There was also a lot of work being undertaken regarding wilding pines. A bee protection policy was currently being put in place by Amuri Helicopters who undertook the spraying of weeds which could have an effect on when spraying stopped and started during the year.

Ground control crews had not been able to get into Zone 1 during the past year which meant the budget had been underspent. Land Information New Zealand are very happy with the project and had upped their financial contribution.

It was proposed that a weed distribution survey be undertaken in the catchment. This would provide an opportunity to look at the catchment in terms of wider biodiversity values and whether the weed pest control being undertaken was the best way or whether there was a better way. The survey was likely to cost approximately \$40,000. J Hill highlighted how the survey would benefit the approved work programme and future Immediate Steps funding. The committee endorsed J Hill progressing this survey in conjunction with the work programme partners.

The option of forming a Clarence/Waiau Toa Trust was also discussed. J Hill would investigate this further and the potential benefits.

***There being no further business the meeting closed at 4.01pm.***

Appendix 1:

Action List from the previous meeting(s)		By Who	By When	Status	Progress / Outcome
1	Planning options for Kaikōura Zone	A Parrish I Brown	31 May	Done / ongoing	Andrew Parrish & Ian Brown will continue this discussion.
2	Rural drinking water supplies	M Griffin KDC	28 Jun	Done / Ongoing	Co-ordination of public information for residents on rural water supplies.
3	Video profile of Immediate Steps projects	Murray & Tania	28 Jun	Ongoing	Developing a profile of Immediate Steps and other projects on Facebook, etc.
4	Wai Water Story Map	M Griffin & J Fettes	29 Nov	Done / Ongoing	Updating the Kaikōura Story Map to be aligned with the KWZC '18 work programme.
5	Damaged rural septic repair options	K Heays	31 May	Done / Ongoing	Information has gone out to all properties offering options.
6	Rural septic tank repair and insurance – article for Newsletter	Kevin	31 May	Ongoing	Write an article about septic tanks for the autumn newsletter.
7	Form a Working Group on waste water issues	Murray & Kevin	18 Oct	Done / Ongoing	Meeting regularly with KDC engineering and building to commence this.
8	Seek information from KDC & ECan on septic tanks and small community waste water systems in the district	K Heays	18 Oct	Ongoing	Underway.
9	Engage communities about taking collective action &/or individual repair options	K Heays	18 Oct	Ongoing	Engaging with Mill Rd/Mt Fyffe Rd community. KDC involved re: joining to the Town system.
10	Submission to KDC LTP to request resources for a programme of work to raise awareness, repair systems or provide collective solutions to the disposal of waste water	TBC	22 Nov	Ongoing	Submission process and timing to be confirmed.
11	Clarification of what is swimmable – Issues/thresholds/views	M Griffin	30 Aug	Ongoing	A briefing on this to be arranged. Swimming sites tabled at 31 May meeting
12	2016 Zone Committee Annual Report – distribution to all households	Murray	26 Jul	Done / Ongoing	The 2016 Annual Report is being adapted into a newsletter for KWZC Refresh 2017.
13	Elect a Deputy Chair and CWMS Regional Committee rep for KWZC	M Griffin	18 Oct	Ongoing	A step process is provided for this under committee updates
14	A thank you letter to Matt	M Griffin	30 Aug	Done	Drafted for Ted to review and sign.
15	Funding options for domestic water tanks	Kevin & Murray	18 Oct	Ongoing	Follow up on water tanks options and costs.



Action List from the previous meeting(s)		By Who	By When	Status	Progress / Outcome
16	Love the Lyell – request an update on the recovery process, what happens next with the land & when	K Heays	18 Oct	Ongoing	Kevin to provide updates as part of monthly Zone Delivery Update.
17	ZC Refresh 2017 – follow up on timing and info for applicants	M Griffin S Bragg	30 Aug	Done	Refresh timing reviewed with little gain from any change to schedule

<b>AGENDA ITEM NO: 2</b>	<b>SUBJECT: Committee Updates</b>
<b>REPORT TO:</b> Kaikōura Water Zone Committee	<b>DATE OF MEETING:</b> 20 September 2017
<b>REPORT BY:</b> 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.

## RECOMMENDATIONS

- The Zone Committee are asked to receive these updates for their information, and with reference to the committee's current work programme priorities and 5 Year Outcomes.
- The Zone Committee receive the Environment Canterbury Long Term Plan 2018-2028 report and complete the attached feedback form as a committee.

## COMMITTEE UPDATES

The following updates will be addressed with the committee:

- **Working Group Updates**
  - An update on these Working Groups will be provided at the meeting.
  - **Love the Lyell/Waikōau**
    - An update on the Lyell/Waikōau will be provided at the meeting.
  - **Lake Rotorua**
    - An update on the lake will be provided at the meeting.
  - **Nutrient Management & Water Efficiency**
    - An update on the Ministry for Primary Industries Earthquake Recovery Fund project focused on the Kaikōura Plains will be provided by Chloe Armour (ECan Land Management Advisor) and Jodie Hoggard (Kaikōura Plains Recovery Project Manager).
  - **Regional Committee** – The previous CWMS Regional Committee meeting was on Tuesday 8 August. Ted Howard attended the Regional Committee's bi-monthly Working Group workshops on 12 & 13 September. A summary of those workshops is provided as agenda item 6-1.

The next CWMS Regional Committee meeting will be on Tuesday 10 October.

**Link to all Regional Committee meetings and agenda papers –**

<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 a short update on the ECan Zone Delivery Team priorities for this meeting.

- **ECan Compliance Monitoring Reporting – 2016/17**

Attached as agenda item 6-2 for the committee's information is the ECan compliance monitoring report for Kaikōura in 2016/17. Also provided for the committee's information, as agenda item 6-3, is the snapshot report showing Environment Canterbury's monitoring and compliance activities from 1 July 2016 to 30 June 2017 for all of Canterbury.

- **Zone Committee Refresh 2017**

Applications are now open for the 2017 Zone Committee refresh, which is scheduled to close on Monday 9 October 2017. The Zone Committee can have up to two new community representatives appointed this year.

A Zone Committee spring newsletter is being distributed to all households to help promote the committee refresh. Copies will be provided for the committee at this meeting.

Anyone considering applying to join the Zone Committee can get more information

- Online at:

<https://www.ecan.govt.nz/your-region/your-environment/water/whats-happening-in-my-water-zone/join-your-local-water-management-zone-committee/>

- Or contact: Kevin Heays – 027 646 2230, or Murray Griffin – 027 705 4798.

- **Environment Canterbury Long Term Plan 2018-2028 – Committee Feedback**

The next Environment Canterbury Long Term Plan for 2018-2028 is currently in development. Environment Canterbury are currently seeking input from stakeholders on the strategic direction of Environment Canterbury. Environment Canterbury is also inviting feedback from all 10 zone committees and the regional committee.

Attached as agenda item 6-4 is a feedback form for the committee's feedback on the Long Term Plan:

- current purpose statement
  - draft community outcomes
  - draft priorities

- **Community drinking water status** – an excerpt from the Joint Rebuild Programme and Infrastructure report tabled at the 13 September KDC meeting is provided as agenda item 6-5.

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

**RECOMMENDATIONS**

- The Zone Committee are asked to receive these updates for their information, and with reference to the committee's current work programme priorities and 5 Year Outcomes.
- The Zone Committee receive the Environment Canterbury Long Term Plan 2018-2028 report and complete the attached feedback form as a committee.

<b>AGENDA ITEM NO: 6 – 1</b>	<b>SUBJECT: CWMS Regional Committee – Update</b>
<b>REPORT TO:</b> Kaikōura Water Zone Committee	<b>DATE OF MEETING:</b> 20 September 2017
<b>REPORT BY:</b> Ted Howard, CWMS Regional Committee – Kaikōura Representative	

Three Regional Committee Working Groups attended in September – Infrastructure, biodiversity and recreation. All of them had strong linkages.

**1. The Regional Infrastructure meeting** – was focussed mainly on the key irrigation infrastructure, but also looked at the influences of that on all the other targets.

There was discussion about both soft and hard infrastructure – soft infrastructure being information systems, etc – like water flows on websites, water use, water quality, weather prediction (and impacts on water use) etc.

Discussion around the interrelationships between targets, and the importance of involving all sectors in all aspects of discussions, as real impacts are often not at all obvious unless you are very familiar with the specifics – like the idea of flushing flows, which contain risks to swimmers and kayakers and wildlife if not coordinated. Even maintaining minimum flows can destroy the recreational experience of swimming in warm summer water if it involves the injection of significant amounts of cold water.

Everyone thought that we could work through the issues, but that the levels of communication would need to be even greater than current, and ongoing.

Quite a bit of discussion around the negative impacts of rules in complex environments, as well as the need to change behaviours that are having significant negative impacts.

A report from Hurunui of the unexpected impacts of putting what seemed like sensible rules in the plan that have had significant unanticipated and undesirable outcomes.

A good report from Brett Painter on the Managed Aquifer Recharge experiments to date.

**2. The Braided Rivers, Biodiversity and Ecosystem Health meeting** – was looking at how to report on these targets. Our work on the Clarence, and how to effectively engage all stakeholders in getting the best possible outcome out of limited resources was probably the single biggest focus.

Again the idea of setting single standards was questioned, and the need to mitigate the human induced impacts as much as possible was acknowledged by all.

The direct conflicts between targets like biodiversity and trout fishing was highlighted, and the need to have some places set aside for native fish and invertebrates.

The problem of disappearing wetlands for mudfish and eels was also highlighted. The experimental sites where solar powered pumps are maintaining wetlands in areas where water tables lowered by irrigation extraction would otherwise have been lost were discussed.

The problems that have been caused by the whole SNA approach to preserving areas of high natural character, and the fundamental distrust of ECan that many land owners have as a result, was acknowledged as a major issue in some areas, particularly the Hurunui. And at the same time, the

amount of loss of biodiversity that was happening purely from ignorance is real. So some thought going into how to effectively work through that complex issue.

The idea of building biodiversity into farm environment plans was discussed, and it really is the sort of thing that requires personal communication in many cases.

### **3. The combined meeting of the Recreation and Amenity and the Education and Communication Working Groups.**

Many of the issues raised had been raised in the previous two meetings.

The recreational experience is experiential – and can't be measured just at particular instances.

- What are the things that are going to make the experience - e.g. flow vs temperature, etc?
- Why/what do people value specific areas for? Is it shallow safe water, where kids can make dams, water present, etc?
- Experience partly what you get when you get there and partly convenience.

#### *Identifying the values*

Even birding can be a water based recreation, as many bird species nest in river beds, and many birds live on water bodies – so it can be much more than swimming, kayaking, jet boats, dragon boats, etc. – and all the different forms of recreation have different and often conflicting needs.

There are many scale dependent impacts. An activity that is fine if 20 people are doing it can become a major issue if 20,000 start doing it. Blanket bans rarely produce anything like optimal outcomes, and they are often the first approach to be demanded by groups after a problem is identified.

The resourcing problems faced by territorial authorities was acknowledged by everyone.

The use of the LAWA.org site was discussed, as was a new initiative to have weekly testing of swimming sites near Christchurch and getting an App developed to make that information generally available to people.

In all meetings, it was acknowledged that there was progress towards targets, and there was also acknowledgement that in many cases it was slow progress, with substantial and complex issues ahead.

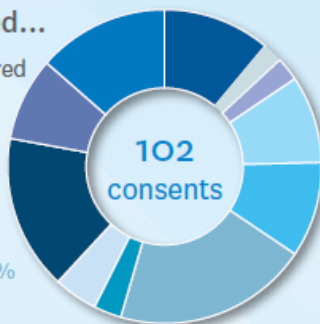
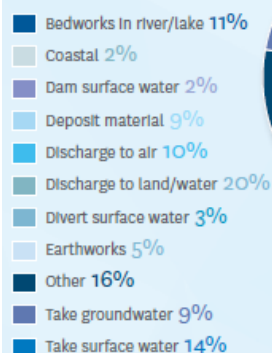
Ted Howard – 14 Sept 2017

# Consents monitored

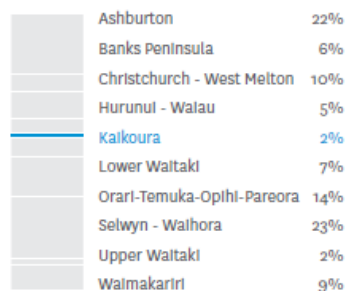
During 2016/17 over 8,000 inspections were carried out, for 5,692 consents across the region. The majority of inspections were for groundwater takes, reflecting our priorities and those of the community. 80% of all consents monitored were fully compliant, including 80% of all water consents.

## What we monitored...

### Types of activity monitored



### Inspections by zone

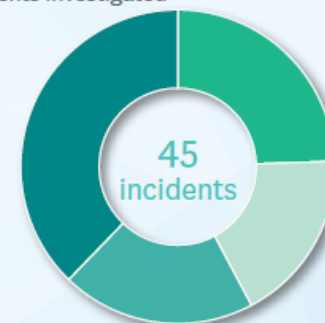


# Incidents reported

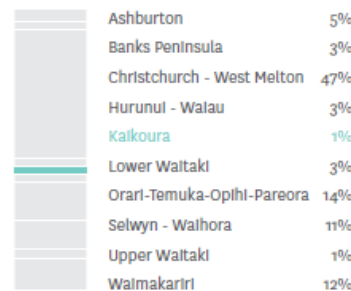
During 2016/17 there were over 4,000 resource management incidents across the Canterbury region. Over half related to air quality – reflecting the visibility of the issue and community priorities. The second largest group was water, again reflecting the community's interest in ensuring incidents are responded to.

## What we investigated...

### Types of incidents investigated



### Incidents by zone



## What we found...

TYPE	TOTAL CONSENTS MONITORED	PERCENTAGE	IN PROCESS	ASSESSMENT GRADE			
				A	B	C	D
Coastal	5	5%	0	5	0	0	0
Discharge:							
- Dairy Effluent	20	20%	0	20	0	0	0
- Human Effluent	12	12%	2	8	2	0	0
- Industry	10	10%	1	9	0	0	0
Land use	18	18%	0	17	0	1	0
Water	37	36%	6	27	0	2	2
TOTAL	102	100%	9	86	2	3	2
% BY ASSESSMENT GRADE		100%	9%	84%	2%	3%	2%

\*Swedish rounding

## What the grades mean...

**A/B (Compliant)** Our response is to work with the consent holder to maintain compliance.

**C/D (Compliance Issues)** Our response is to provide advice and assistance and require action to be taken. Actions may be quite wide ranging depending on the issue.

## What we did...



## What we did...



## What we found...

TYPE	TOTAL INCIDENTS	PERCENTAGE	IN PROCESS	ASSESSMENT GRADE			
				A	B	C	D
Air	11	24%	0	4	7	0	0
Land	8	18%	2	0	4	2	0
Other	9	20%	0	4	3	2	0
Water	17	38%	1	7	6	3	0
TOTAL	45	100%	3	15	20	7	0
% BY ASSESSMENT GRADE			7%	33%	44%	16%	0%

\*Swedish rounding

## What the grades mean...

**A/B (Compliant)** Our response is to work with the consent holder to maintain compliance.

**C/D (Compliance Issues)** Our response is to provide advice and assistance and require action to be taken. Actions may be quite wide ranging depending on the issue.

# Monitoring for compliance:

## 2016-17 Snapshot Report

This snapshot report shows Environment Canterbury's monitoring and compliance activities from 1 July 2016 to 30 June 2017.

The report shows the types of consents that we monitor, what we found in the 2016/17 year and our response. It also shows the incidents that were reported to us, what we found when we investigated, and the action we took as a result.

### Our approach

Our approach to compliance with consent conditions and rules is to work with industry, land holders and individuals to achieve voluntary compliance. We do this by putting resources into advice and education for consent holders and into public information. We believe this will get the best environmental results over the long-term. We do also have a number of compliance tools that we can use if necessary, as noted below.

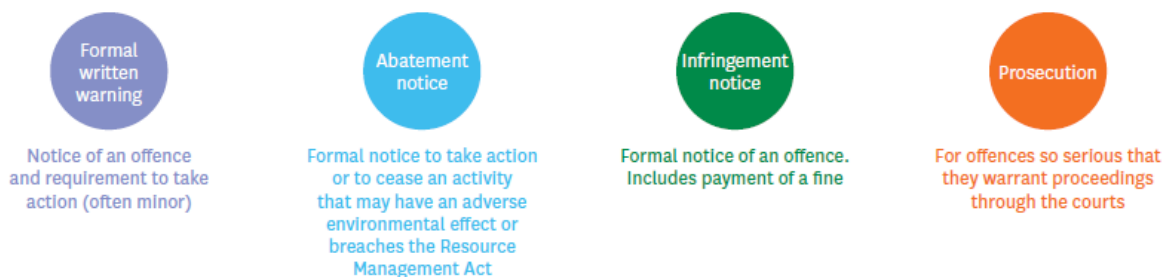
### Setting priorities

There are approximately 24,000 resource consents in Canterbury, so it is not possible without considerable cost to monitor every consent every year. Technology advances have helped – we are able to monitor more with fewer resources due to technology such as telemetry for water use data (see back page). The consents we monitor are prioritised based on risk – taking into account the scale of the activity, the potential environmental effects and the previous history of compliance. Community priorities are also a key component and these are signalled via the ten local zone committees\*, stakeholder organisations or public input, for example the stock-in-waterways issue outlined on back page.

### Our response

Environment Canterbury's first response is to work with individuals and businesses to achieve the right environmental outcome. We are sometimes criticised for not prosecuting those who breach consent requirements or rules. More value and better outcomes are achieved through advice and education. If education does not get the right result, there are a number of tools available to us before we reach the prosecution stage. We know we have the community's mandate to prosecute, and we will do this if we need to. See back page for an example of a successful prosecution that went through the Alternative Environmental Justice process to benefit the community and the environment.

### Compliance tools include



Abatement notices and infringement notices are publicly available on [ecan.govt.nz](http://ecan.govt.nz)

\* Canterbury is covered by 10 zones. Each zone committee are tasked with making recommendations for the best way to manage resources in their area.

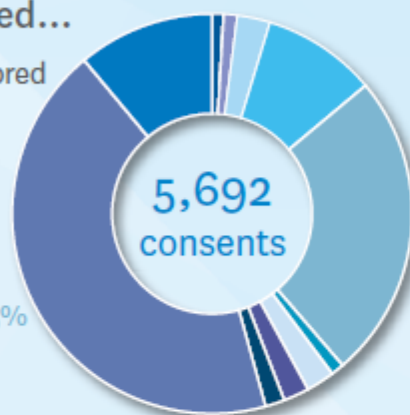
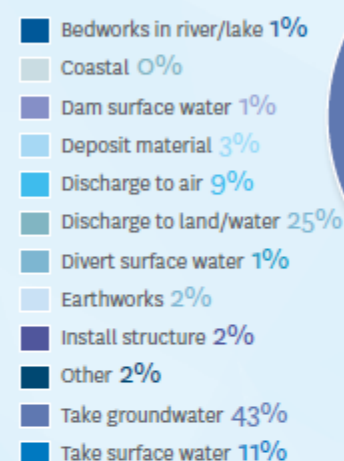


# Consents monitored

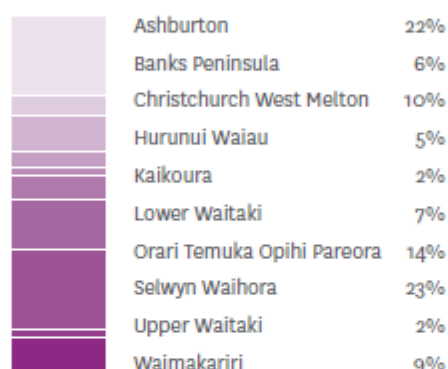
During 2016/17 over 8,000 inspections were carried out, for 5,692 consents across the region. The majority of inspections were for groundwater takes, reflecting our priorities and those of the community. 80% of all consents monitored were fully compliant, including 80% of all water consents.

## What we monitored...

### Types of activity monitored



### Inspections by zone

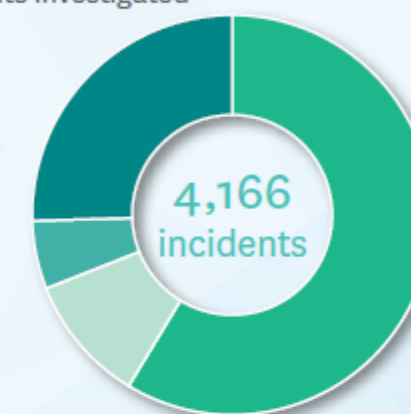


# Incidents reported

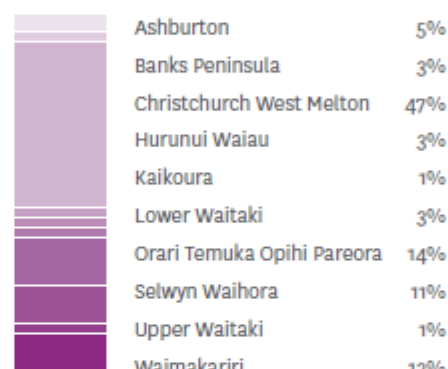
During 2016/17 there were over 4,000 resource management incidents across the Canterbury region. Over half related to air quality – reflecting the visibility of the issue and community priorities. The second largest group was water, again reflecting the community's interest in ensuring incidents are responded to.

## What we investigated...

### Types of incidents investigated



### Incidents by zone



## What we found...

TYPE	TOTAL CONSENTS MONITORED	PERCENTAGE	IN PROCESS	ASSESSMENT GRADE			
				A	B	C	D
Coastal	64	1%	6	41	3	12	2
Discharge:							
• Dairy Effluent	790	14%	9	695	5	61	20
• Human Effluent	365	6%	84	230	16	31	4
• Industry	569	10%	36	436	24	62	11
Land use	432	8%	6	370	17	35	4
Water	3472	61%	444	2767	26	174	61
<b>TOTAL</b>	<b>5692</b>	<b>100%</b>	<b>585</b>	<b>4539</b>	<b>91</b>	<b>375</b>	<b>102</b>
<b>% BY ASSESSMENT GRADE*</b>		<b>100%</b>	<b>10%</b>	<b>80%</b>	<b>2%</b>	<b>7%</b>	<b>2%</b>

\*Swedish rounding

### What the grades mean...

**A/B (Compliant)** Our response is to work with the consent holder to maintain compliance.

**C/D (Compliance Issues)** Our response is to provide advice and assistance and require action to be taken. Actions may be quite wide ranging depending on the issue.

## What we did...



## What we did...



## What we found...

TYPE	TOTAL INCIDENTS	PERCENTAGE	IN PROCESS	ASSESSMENT GRADE			
				A	B	C	D
Air	2444	59%	96	354	1886	105	3
Land	431	10%	39	126	216	49	1
Other	230	6%	12	67	138	13	0
Water	1061	25%	77	233	625	123	3
<b>TOTAL</b>	<b>4166</b>	<b>100%</b>	<b>224</b>	<b>780</b>	<b>2865</b>	<b>290</b>	<b>7</b>
<b>% BY ASSESSMENT GRADE*</b>			<b>5%</b>	<b>19%</b>	<b>69%</b>	<b>7%</b>	<b>0%</b>

\*Swedish rounding

### What the grades mean...

**A/B (Compliant)** Our response is to work with the consent holder to maintain compliance.

**C/D (Compliance Issues)** Our response is to provide advice and assistance and require action to be taken. Actions may be quite wide ranging depending on the issue.



## Improving water management through telemetry

Measuring and managing water use is a critical step to improving the health of Canterbury's waterways as well as ensuring the sustainability of our agricultural industry.

Around 4525 water takes have installed systems that provide real-time monitoring (via telemetry) meaning our consent holders have gone above and beyond the national requirements for water measuring. This is an increase of 14.5% on the last year.

Canterbury has three times as many water takes as any other Council, and the uptake of this programme in Canterbury has been world-leading in terms of the number of installations. We now have 83% of water takes providing daily data.



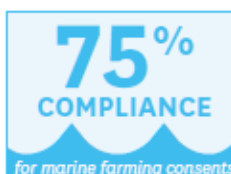
## Going beyond compliance to A+ sustainability

Compliance in Canterbury's marine farming industry has transpired as a result of collaborative efforts with Environment Canterbury and the marine farming community.

The majority of marine farms have introduced new internal processes to ensure on-going compliance. These processes involve new maintenance, monitoring and reporting programmes and many farms have increased the frequency of operational and maintenance farm checks. Seventy five percent are now compliant with work being done to achieve compliance with the other 25%.

Alongside goals for continued compliance, the Banks Peninsula marine farmers are working over and above towards A+ sustainability (under the government and industry funded Sustainable Aquaculture Scheme).

Environment Canterbury is working with other regional councils to ensure marine monitoring is consistent across regions.

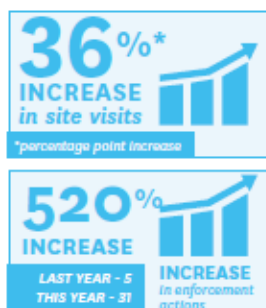


## Community priority: improved stock-in-waterways response

Stock in our waterways has been highlighted by the community as a major area of concern. Environment Canterbury and Fish & Game have worked together to develop a new response protocol and to set targets around stock-in-waterways complaints.

This new protocol has resulted in more complaints being responded to in person, more enforcement action and, most importantly, more stock kept out of waterways.

The figures illustrate that we take this matter very seriously and are committed to protecting Canterbury's waterways from the damage caused by livestock.



## Environmental Justice: best practice approach to enforcement

In April 2017, a prosecution against the directors of Station Peak Dairy Limited (SPD) for illegally clearing riverside land in the lower Waitaki, successfully went through the Alternative Environmental Justice (AEJ) process.

The AEJ scheme is designed to give options for achieving compliance while ensuring that the consequences of offending are accepted by the community and stakeholders. It is a mixture of restorative justice and diversion.

SPD director Kieran Pavletich was pleased to have it finally resolved.

"We believe the outcomes to be mutually beneficial for all the parties involved," he said. "The Alternative Environmental Justice scheme that we worked through with the help of Environment Canterbury proved to be a very thorough and consultative process."

A much better result for everyone, and the environment.



<b>AGENDA ITEM NO: 6–4</b>	<b>SUBJECT: Environment Canterbury’s Long Term Plan</b>
<b>REPORT TO:</b> Kaikōura Water Zone Committee	<b>DATE OF MEETING:</b> 20 September 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Kaikōura	

### 1. Purpose of Report

To seek zone committee input on Environment Canterbury’s 2018-2028 Long Term Plan (LTP).

### 2. Staff Recommendation/s

The zone committee receive the report and complete the attached feedback form as a committee.

### 3. Report

Environment Canterbury’s LTP sets out the council’s service priorities, work programmes and resource requirements such as expenditure and funding for a 10-year period. A new Long-Term Plan is produced every three years, which incorporates the Annual Plan for that year.

In June 2018 a new LTP (for 2018-2028) will be adopted by the Environment Canterbury Council. The proposed timeframe for developing the LTP is outlined below.

<b>LTP Timeframe</b>	
<b>Aug - Oct2018</b>	Review existing work programmes and seek input from key stakeholders and zone committees
<b>Oct - Dec 2017</b>	Develop Draft Plan
<b>Early 2018</b>	Formal consultation on Draft Plan
<b>June 2018</b>	LTP adopted by council

Environment Canterbury are currently seeking input from stakeholders on the strategic direction of Environment Canterbury. Environment Canterbury is also inviting feedback from all 10 zone committees and the regional committee.

The strategic direction of Environment Canterbury consists of;

- Environment Canterbury’s purpose
- Community Outcomes
- Priority areas of work

**Attachment: LTP Feedback form**

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**Zone Committee:** Kaikōura

**PART 1**

**Current purpose statement for Environment Canterbury**

Facilitating sustainable development for the Canterbury region: *Te huawaere I te kauneke tauwhiro I Waitaha*

- ☐ love it
- ☐ like it
- ☐ Indifferent to it
- ☐ hate it

What's missing?

.....

**Draft community outcomes**

Rank these in order of importance (1-4 in the box)

We facilitate sustainable development for the Canterbury region so:

- ☐ We are able to breathe clear air, play and swim in the rivers, gather mahinga kai, benefit from the productive use of our land, and enjoy Canterbury's unique biodiversity taonga and landscapes.
- ☐ We are able to live, travel and move goods with ease, within and to/from the region, facilitating work, leisure and tourism.
- ☐ We have access to the information we need to be resilient in the face of short-term hazards and well-prepared for longer-term change to our region's natural environment.
- ☐ We can all see, understand, and help shape the nature of Canterbury: its past, its present and its future.

What's missing?

.....

## PART 2

We consider all areas of our activity to be important, but a clear message has been given to Environment Canterbury that the priorities for the coming years must be **water management and native biodiversity**:

**Do you agree/have we heard you correctly? (tick box)**

- ☐ Yes  
☐ No

If no: what would you put at the top of the priority list?

.....

**Freshwater management:** Implementing innovative solutions to manage our fresh water resource to support community use (*mahinga kai*, drinking water and recreation), achieve ecosystem health and sustainable economic development.

**What would this look like in your zone?**

Example:

1. ....
2. ....
3. ....
4. ....
5. ....

**Indigenous biodiversity:** Creating a step-change in the regeneration of terrestrial and freshwater biodiversity.

**What would this look like in your zone?**

Example:

6. ....
7. ....
8. ....
9. ....
10. ....

<b>AGENDA ITEM NO: 6-5</b>	<b>SUBJECT: Community drinking water status – update</b>
<b>REPORT TO:</b> Kaikōura Water Zone Committee	<b>DATE OF MEETING:</b> 20 September 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Kaikōura	

**Community drinking water status** – the following is an excerpt from the Joint Rebuild Programme and Infrastructure report tabled at the 13 September KDC Earthquake Recovery Committee meeting.

**Link to full report** (page 4 of 21):

- <https://www.kaikoura.govt.nz/assets/Uploads/KERC-170913-Agenda.pdf>

*Excerpt*

## **5.0 INFRASTRUCTURE:**

### **5.1 Water Supply**

#### **5.1.1 Boil Water Notices**

The boil water notices for the Oaro, Peketa, Fernleigh and Kincaid water supplies were lifted on 18<sup>th</sup> August. Small enhancements to some of the instrumentation and telemetry system on these supplies have been initiated. As previously reported the supplies for the East Coast and Kaikoura Suburban supplies are more challenging and further assessments are required before the lifting of the boil water notice can be considered.

Water quality samples taken in early August from the East Coast supply scheme were all satisfactory.

#### **5.1.2 Water Safety Plans**

As described previously Water Safety Plans (WSP's) are being updated, the Plan for the Oaro water supply scheme is currently in final draft stage and should be submitted to the Canterbury Public Health before the end of the month. Further requirements to WSP's were issued late in August and these requirements are currently being considered as part of the Oaro Plan. Other WSP's are scheduled over the next few months

### **5.2 Sewer System**

The sewer system continues to operate with the support of temporary arrangements and no infringements of resource consent conditions have been experienced.

#### **5.2.1 Sewer Asset Information**

Following the earthquake parts of the sewer network were subject to close circuit television inspections to identify the damage. Further inspections are planned as part of the rebuild programme and all of this information will be used to update the Councils asset information system following agreed industry best practice.

#### **5.2.2 Sewer laterals**

In conjunction with the rebuild programme there is a need to develop a strategy for the repair or replacement of sewer laterals. This needs to include clarifying roles and responsibilities between the Council and private property owners.

### **5.3 Stormwater**

No major operational issues were experienced during August, although one or two isolated incidents with regard to drainage and localised flooding were encountered during rain events. These incidents continue to be related to earthquake damage to land or existing drainage systems where ground levels have changed. These were responded to as required.



<b>AGENDA ITEM NO: 7</b>	<b>SUBJECT: 5 Year Outcomes Review – workshop</b>
<b>REPORT TO:</b> Kaikōura Zone Committee	<b>DATE OF MEETING:</b> 20 September 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Kaikōura	

## **PURPOSE**

This workshop provides the committee with an opportunity to review the Zone Committee’s 5 Year Outcomes in the context of what has changed for the community and Zone since November 2016.

This workshop will focus on three considerations:

- An open discussion on the committee’s view on current and future water management priorities for the Zone,
- A review of the committee’s current 5 Year Outcomes – which are provided below.

## **BY WHO**

This workshop will be facilitated by

- Kevin Heays – Zone Delivery Manager – Kaikōura (ECan)
- Murray Griffin – CWMS Facilitator – Kaikōura (ECan)

## **BACKGROUND**

Below are the five year outcomes and milestones which were agreed by the Committee in May 2015.

### **Kaikōura Water Zone Committee – Five Year Outcomes & Milestones**

#### **1) OUTCOME: A safe water supply (meeting NZ Drinking Water Standards) from all community water schemes**

Milestones:

- i. Identify community water supplies and their drinking water standards and ensure standards are met and maintained
- ii. A safe water supply is secured with civil defence capability at Takahunga Marae
- iii. A safe water supply is established at Mangamaunu Marae
- iv. Promote safe and secure household water storage for civil defence emergencies

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

Milestones:

- i. Address the pest and weed issues on the Clarence/Waiau 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/Waiau Toa high naturalness values will be investigated and a decision reached with key stakeholders

**3) OUTCOME: Remaining wetlands in the zone are maintained, protected and restored allowing for safe mahinga kai**

Milestones:

- i. Identify all wetland in the Kaikōura zone
- ii. Work with landowners to protect the wetlands

**4) OUTCOME: Nutrients are being managed to ensure the water quality outcomes on the Kaikōura Plains are at an acceptable level as defined by the Land and Water Regional Plan**

Milestones:

- i. All farmers understand nutrient management and water efficiency and are operating at Good Management Practice (GMP) or better
- ii. The Zone Committee, farmers, and industry have a strong relationship assisting the Kaikōura Plains to work towards meeting the requirements to be a green allocation zone
- iii. 100% of farmers in the Kaikōura Plain's red (and sensitive lake) nutrient allocation zones have Farm Environmental Plans (FEPs) and passing audits
- iv. Improve water quality, quantity, surface and groundwater knowledge (ECan science team, the ZC and wider community) for the zone to inform the Kaikoura chapter of the LWRP

**5) OUTCOME: In-stream ecosystem health is improved to allow for safe mahinga kai and recreational use of the Lyell Creek/Waikōau catchment**

Milestones:

- i. A whole catchment audit is completed to determine ecosystem health, resulting in:
- ii. Urban stormwater risks are identified and addressed
- iii. Residential issues identified and addressed
- iv. Farm and property visits in the catchment identify impacts on and solutions to improve water quality
- v. A COMAR study is completed for the Lyell/Waikōau to determine cultural values and sites of significant value in order to provide additional protection if necessary
- vi. Lyell Creek/Waikōau meets national recreational water quality standards allowing for safe swimming

**6) OUTCOME: Ensure Kaikōura's Earthcheck status is not undermined by the declining state of waterways**

Milestones:

- i. Identify and prioritise high-risk catchments and waterways to develop a plan to resolve or mitigate impact for high-risk waterways
- ii. Strengthen relationships with the visitor industry to identify infrastructure gaps and visitor needs to assist aligning with Earthcheck
- iii. Review and where required update information available for visitors showing how their behaviour can align with Earthcheck
- iv. An education programme targeting visitors and freedom campers to promote waterway values and protection is developed and implemented

**7) OUTCOME: Environmental values of waterways are not undermined by the transport corridor through the zone**

Milestones:

- i. Strengthen relationships with transport agencies to ensure any development or maintenance projects incorporate environmental values for waterways and wetlands affected by transport corridors
- ii. Identify sensitive catchments/waterways the transport corridor transects
- iii. A weed control programme is established for the highway and rail corridors
- iv. Stormwater and runoff treatments protect environmental values in the zone

**8) OUTCOME: To continue to broaden the Kaikōura community's awareness and involvement in water management issues and initiatives.**

Milestones:

- i. Developed, maintained and implement a Communications Action Plan with a regular media profile for the committee– Kaikōura Star, KZC Newsletter, Chairs Column, etc...)
- ii. Developing linkages within the community, via groups such as the NM&WE Working Group, the Love the Lyell Working Group and around priorities such as the LWRP
- iii. Youth Engagement plan developed and implemented in support of the KZC
- iv. Strengthen relationships around joint initiatives for water management with industry and community partners

**RECOMMENDATION**

- That the Committee consider its priorities for 2017/18 and a refresh of the Kaikōura ZIP and 5 Year Outcomes and Milestones for Zone Delivery.

<b>AGENDA ITEM NO: 8</b>	<b>SUBJECT:</b> What's happening on our Rivers – Briefing	
<b>REPORT TO:</b> Kaikōura Water Zone Committee		<b>DATE OF MEETING:</b> 20 September 2017
<b>REPORT BY:</b> Murray Griffin, CWMS Facilitator – Kaikōura		

#### **PURPOSE**

The purpose of this agenda item is to provide the committee with an update on the river engineering and earthquake recovery activities happening in the rivers across the Kaikōura Water Zone.

#### **BACKGROUND**

The briefing will focus on the following areas:

- Kowhai River
- Lyell Creek earthquake repairs
- The Lyell Creek Task Force
- Gravel extraction around region, &
- Clarence/Waiau-Toa River

#### **WHO**

- This briefing will be provided by
  - Ian Heslop – Principal River Engineer (River Engineering, ECan)

#### **RECOMMENDATIONS**

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