



KAIKŌURA WATER ZONE MANAGEMENT COMMITTEE

on

Friday 19 June 2020

TO BE HELD AT THE

DISTRICT COUNCIL CHAMBERS

2ND FLOOR

96 WEST END, KAIKŌURA

AT 12.30PM

KAIKŌURA WATER ZONE COMMITTEE

MEETING

Date: **Friday, 19 June 2020**

Time: **12:30pm – 3:30pm**

Venue: **The District Council Chambers, 2nd Floor, 96 West End, Kaikōura**

TIMETABLE & ORDER OF BUSINESS

		Open – Karakia	
1	12:30pm	Committee check-in & Order of business	Chair – T Howard
		<ul style="list-style-type: none"> • <i>Apologies & Introductions</i> • <i>Announced urgent business</i> • <i>Confirmation of the committee's Register of Interests</i> • <i>Committee check-in</i> • <i>Te Reo practice</i> 	
2	1.00pm	Opportunity for the public to speak	Chair – T Howard
3	1.10pm	Committee Role & Purpose – workshop	M Griffin & S Bragg (ECan)
		<i>This workshop is a further opportunity for the committee to reflect on its role & purpose as part of establishing a preferred way of working together.</i>	
4	1.30pm	Immediate Steps – update	H Melville (ECan)
		<i>Heath will present two new Immediate Steps Biodiversity projects for the committee to consider.</i>	
5	2.00pm	On the Ground Projects – update	K Heays & H Melville (ECan)
		<i>Kevin and Heath will provide an update for the committee on the 'on-the ground actions' projects underway.</i>	
	2.25pm	Afternoon Tea break	
6	2.35pm	Zone Committee Priorities – workshop	M Griffin (ECan)
		<i>A short open workshop session for the committee to confirm priorities for the remainder of 2020.</i>	
7	3.00pm	Committee updates	M Griffin (ECan)
		<i>Several updates will be received by the committee, including an update on the CWMS Regional Committee,</i>	
8	3.25pm	General Business	Chair – T Howard
		<i>Including:</i> <ul style="list-style-type: none"> • <i>Confirmation of previous meeting minutes – 4 March 2020</i> • <i>Any other business.</i> 	
	3.30pm	Close – Karakia	

KAIKŌURA WATER ZONE COMMITTEE

	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 hāpori 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
KAI KARAKIA	E te Atua Whakapainga ēnei kai Hei oranga mō ō mātou tinana Whāngaia hoki ō mātou wairua ki te taro o te ora Ko Ihu Karaiti tō mātou Ariki Ake ake ake, Amene	Lord God Bless this food For the goodness of our bodies Feeding our spiritual needs also with the bread of life Jesus Christ, our Lord Forever and ever Amen

KAIKŌURA WATER ZONE COMMITTEE

Register of Interests – at 5 February 2020

Name	Committee Member Interests
Tony Blunt	<ul style="list-style-type: none"> - Owner/Operator – Steepdown Farm - KDC Councillor - Member – Rural Support Trust - Member – Federated Farmers North Canterbury - Member – Kaikōura Farm discussion group member - Member – Kaikōura Plains Recovery Project – Governance Group
Aroha Boyd	<ul style="list-style-type: none"> - Supervisor – Local Civil Defence Team - Trustee – Kaikōura Education Trust - Founder – Kaikōura Maori Wardens - Te Rūnanga o Kaikōura Rep - Member - Huttons' Shearwater Charitable Trust
Grant Edge	<ul style="list-style-type: none"> - Registered Fellow NZ Institute of Landscape Architects - Member QEII National Trust - Member NZ Forest & Bird - Member Heritage NZ - Member Urban Design Forum - Director/Shareholder – Edge Landscape Projects Ltd, Edge Plants Ltd, Edge Products Ltd - 1ha Property Easterbrook Road Fernside (Shallow Bore User – Permitted) - Septic Tank – CRC 157217 - Councillor ECan
Ted Howard	<ul style="list-style-type: none"> - Chair – Huttons' Shearwater Charitable Trust - Member – Te Korowai o te tai o Marokura - Member – Kaikōura Marine Guardians - Member – BRaid - Member – Forest & Bird Kaikōura
Nicky McArthur	<ul style="list-style-type: none"> - Owner – Puhi Peaks Station - Member – Kaikōura Arts Society - Deputy Chair & Trustee – Hutton's Shearwater Charitable Trust - Member – Seaward Lions of Kaikōura - Member – Forest & Bird - Member – Braid - Life Member – OSNZ - Member Federated Farmers North Canterbury - Member Kaikōura Farmers Discussion Group
Clint McConchie	<ul style="list-style-type: none"> - Te Rūnanga o Kaikōura Rep - Natural Resources Manager – Te Rūnanga o Kaikōura - Farm Leaser – Totaranui
John Murray	<ul style="list-style-type: none"> - Owner/Operator – Woodbank Angus Stud - Member ECCO - Member Federated Farmers Marlborough

Gina Solomon	<ul style="list-style-type: none"> - Trustee – Titi / Huttons’ Shearwater Charitable Trust - Director – QEII National Trust - Chair – Nelson/Marlborough Conservation Board - Member/Secretary - Te Korowai o Te Tai o Marokura / Kaikōura Coastal Marine Guardians - Member – Nature Heritage Fund - Member – Forestry Ministerial Advisory Group - Member – Molesworth Steering Committee - Member – Kaikōura Marine Guardians - Member – Forestry Reference Group
Teri Sonal	<ul style="list-style-type: none"> - Trustee – Hutton’s Shearwater Charitable Trust - Founding Trustee – Tukete Charitable Trust
Rob Roche	<ul style="list-style-type: none"> - Owner/Shareholder – Beached As Souvenirs - Board Member – Te Whare Putea - Board Member – Kaikōura Gym - Member – Aotearoa Zero Waste networkers - Councillor KDC

AGENDA ITEM NO: 3	SUBJECT: Committee Role & Purpose – workshop	
REPORT TO: Kaikōura Water Zone Committee		DATE OF MEETING: 19 June 2020
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura		

PURPOSE

The purpose of this workshop is to allow the Zone Committee time to reflect on its recent online workshop discussions on its role & purpose, as part of establishing a preferred way of working together.

- The feedback from these online workshops have been distilled for review by the committee at this workshop.

BY WHO

This workshop will be facilitated by:

- Stephen Bragg, CWMS Tangata Whenua Facilitator, ECan
- Murray Griffin, CWMS Facilitator – Kaikōura, ECan

RECOMMENDATION

That the Zone Committee reflect on its role and purpose towards confirming a shared purpose statement.

AGENDA ITEM NO: 4	SUBJECT: Biodiversity Immediate Steps – Update
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 19 June 2020
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

PURPOSE

This agenda item provides the committee with an update in Immediate Steps biodiversity funding and projects. It will confirm the current state of funded projects and provide an overview of 3 pending projects for the zone committee to consider for IMS Biodiversity funding.

This update will also provide an update on current on-the-ground projects and progress over the last 3 months.

RECOMMENDATIONS

That the Kaikōura Water Zone Committee approve Immediate Steps funding as detailed in this report for the following two projects:

- 1) Greenburn Wetland Enhancement
- 2) Poipoi Kotare Stream Restoration (Lynton Downs)

BY WHO

Heath Melville (ECan, land & biodiversity advisor) will provide this update on Immediate Steps Biodiversity funding and projects.

BACKGROUND

The purpose of the Immediate Steps (IS) funding programme is to protect and restore freshwater biodiversity in Canterbury.

After having received information relating to the freshwater values in the Kaikōura Zone, the zone committee decided not to limit the allocation of IS funds to a certain freshwater habitat type, or geographical area. In December 2011, the zone committee decided that they would like to see priority given to projects that fit with certain criteria. The criteria specified included projects which:

- have long term protection (i.e. QEII covenants)
- link in with or support existing projects
- have high visibility and are accessible to the public.

In addition to the above criteria, the zone committee has subsequently chosen three areas as priorities in their Zone Implementation Programme; the Clarence/Waiau Toa River, Lyell/Waikōau Creek and Lakes Rotorua and Rotoiti. The zone committee has agreed that Immediate Steps funding will also be used to help support projects within these priority areas.

Immediate Steps Funding

2010/2011 – 2015/2016

In 2011 the Kaikōura zone committee was allocated funding which equated to \$100,000/year for five years. Regionally, the Immediate Steps programme was extended until June 2016 to allocate the original \$500,000 worth of Immediate Steps funds. 23 projects have been funded by Immediate Steps. The zone committee has allocated all of the first five years of funding.

2016/2017 – 2020/2021

From July 2016 the zone committee has received another \$100,000/year for five years. In May 2016, the zone committee approved \$50,000/year for the next five years (as 1/3 of the total spend per annum within the catchment) to be allocated to the ongoing weed control programme in the Upper and Lower Clarence/Waiau Toa River. Leaving approximately \$250,000 Immediate Steps funds to allocate given a 5-year funding programme (\$50,000/year for five years).

Kaikōura Water Zone Committee healthy waterways action fund (formerly Bill's money)

Provided by Environment Canterbury in lieu of a deferred sub-regional planning process in Kaikōura for on the ground actions. Based on the recommendations of the Lyell/Waikōau Catchment Recovery Plan (NIWA 2018, funded from the Kaikōura Plains Recovery Project) two priorities:

- Lower Lyell/Waikōau (\$20,000)
 - Add riffles and other in-stream features to improve habitat diversity
 - Spray weeds below foot bridge and remove dead vegetation
 - Work with Love the Lyell
 - Work with West End businesses to assist with upkeep of maintenance
- Widening buffers around overland flow paths (\$80,000)
 - Overland flow paths or where fence set back needs extending
 - Sites where no bank battering is required
 - Fund pays for materials and for contractor to do the work, farmer/landowner gives up land

As the Kaikōura Zone Delivery team worked across multiple catchments, it was decided to prioritise the Lyell Catchment, but also consider using the fund to work with landowners in other catchments to improve outcomes for freshwater biodiversity, where landowner buy-in is good.

Total IMS spending for Kaikōura Zone 2019 – 2020: \$104,500

Spent/allocated:

\$50,000 Clarence Waiau Toa Weed Control (and \$50k for 2020-2021)
\$ 4,150 Braided river bird surveys – Hapuku, Kowhai, Kahutara, Charwell, lower Waiau Toa/Clarence
\$ 5,048 Harnetts Creek Protection - Kanuka Terrace (required due to fence length underestimated)
\$12,118 Mount Fyffe Wetland (to be initiated in October 2020)

\$71,316 Total allocated
\$33,184 remaining

Pending IMS Biodiversity Projects

Two projects are currently being developed to present to the committee for consideration for funding. The details, costs and contributions are still being worked out, but will be confirmed for presentation to the Zone Committee.

Greenburn Wetland Enhancement

With extensive raupō rushland and purei sedgeland, this site provides quality habitat for elusive wetland birds among other bird species within the diverse habitats found in the extensive wetlands and surrounding scarp

Project Aim (objectives and overall vision)	To protect and restore a 2.35ha wetland, keeping pests out to allow native vegetation and bird life to flourish
Project Outcomes (what the project will achieve)	A healthy wetland with native vegetation providing extensive habitat for birdlife
Actions proposed to achieve outcomes	1. Fencing – Excluding stock from an area of 3.37ha 2. Weed control: Willows, Blackberry, Old man's beard 3. Predator control – trapping of mustelids and rats 4. Planting native plants and direct seeding the wetland edges

Contributions

Project Name	Financial Year	Funds Requested from the Zone Committee	Value of other contributions	Total Fund
Greenburn Wetland	2019-2020	\$16,000 52.3%	\$12,840 47.7%	\$26,905 100%
	2020-2021	\$6,000 57.9%	\$5,080 42.1%	\$12,080 100%

This project requests:

- \$16,000 of IMS funding from the 2019-2020 financial year
- \$6,000 of IMS funding from the 2020-2021 financial year

Poipoi Kotare Stream Restoration

Restoring the spring-fed stream flowing into the Kahutara River from the wetland previously enhanced by Lyndon Downs School.

Project Aim (objectives and overall vision)	To protect and restore a small tributary of the Kahutara River to intact dense riparian forest and diverse freshwater habitat.
Project Outcomes (what the project will achieve)	Healthy, restored riparian canopy cover which shades the stream and provides a corridor from the spring source to the Kahutara River (in time)
Actions proposed to achieve outcomes	<ol style="list-style-type: none"> 1. Willows removal – mechanically where required 2. Stream diversion back to original course 3. Fencing – Protecting 1.23ha of stream and wetland, with further fencing in year 2 providing additional filtration from pasture run-off 4. Weed control: Willows, Blackberry, Barberry 5. Planting native plants and direct seeding the stream edges

Contributions

Project Name	Financial Year	Funds Requested from the Zone Committee	Value of other contributions	Total Fund
Poipoi Kotare Stream Restoration	2019-2020	\$17,184 54.7%	\$14,255 45.3%	\$31,439 100%
	2020-2021	\$7,000 64.4%	\$3,860 35.6%	\$10,860 100%

This project requests:

- \$17,184 of IMS funding from the 2019-2020 financial year
- \$7,000 of IMS funding from the 2020-2021 financial year

AGENDA ITEM NO: 5	SUBJECT: On-the-Ground projects – Update
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 19 June 2020
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

PURPOSE

This agenda item provides the committee with an update on current on-the-ground projects and progress over the last 3 months.

RECOMMENDATION

That the Zone Committee receive these updates for their information, and with reference to the committee's 2020 work programme and 5 Year outcomes.

BY WHO

Kevin Heays (ECan Zone Lead – Kaikōura) & Heath Melville (ECan, land & biodiversity advisor) will provide this update on on the ground actions and projects.

BACKGROUND

This on the ground actions update will cover:

- **Clarence Waiau Toa Weed Control Strategy Implementation**

An update on actions, spending and contributions for the weed control project which aims to protect biodiversity values through collaboration with DOC, LINZ and station managers.

- **Wetlands – Nagari and Hapuku**

A brief update on where we are at regarding the two wetland projects.

- **On the ground action fund – addressing water quality issues in the Kaikoura Community Catchment**

An extensive update on actions recently completed and currently being implemented, as well as planned actions for the next financial year. The major projects nearing completion include:

- Mill Road wetland, spring and stream protection (Ronita Waterman)
- Montegues Creek / Warrens Creek protection and enhancement (Biddy Getz)

- **Fonterra 50 Catchments**

A brief update on the proposed plan to utilize Fonterra's contribution to further recommendations for the Lyell Catchment.

AGENDA ITEM NO: 6	SUBJECT: Committee priorities 2020 – workshop
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 19 June 2020
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

PURPOSE

The purpose of this workshop is to allow the Zone Committee time to reflect on its recent online workshop discussions on its priorities for the remainder of 2020.

- This short open workshop is an opportunity for the committee to propose and discuss its priorities for 2020 as we transition from the Covid-19 health emergency.

BY WHO

This workshop will be facilitated by:

- Murray Griffin, CWMS Facilitator – Kaikōura, ECan

RECOMMENDATION

That the Zone Committee reflect on its priorities towards an updated committee work programme for 2020.

AGENDA ITEM NO: 7	SUBJECT: Committee Updates
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 19 June 2020
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.

RECOMMENDATION

That the Zone Committee receive these updates for their information, and with reference to the committee's 2020 work programme and 5 Year outcomes.

COMMITTEE UPDATES

The following updates will be addressed with the committee:

1. CWMS Regional Committee

The last CWMS Regional Committee meeting was held on Tuesday 11 February 2020 and it has not met since. The CWMS Regional Committee is aiming to reconvene in July.

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>

2. Communications

Kim Whitwell (ECan Communications) has provided the committee with a report on the local stories developed from October 2019 to January 2020, which is provided as **agenda item 7-1**

○ KWZC 2019 Annual Report

Chair Ted Howard presented the committee's 2019 Annual Report to Environment Canterbury on Thursday 14 May. He was warmly received by the Council.

3. 3 Waters Update – Kaikōura District Council

The previous KDC Works and Services committee meeting was held on 27 May 2020, please find this report attached as **agenda item 7-2**.

- The 3 Waters report is on pages 9-10 of this report

4. Fish Habitat Fund call for projects 2020

Environment Canterbury has an initiative to identify site specific issues which threaten native fish populations and provide financial support to remediate these issues. Currently \$100,000 per year is available. An overview of the fund is **provided as agenda item 7-3**.

Proposals are requested by Friday 3rd July 2020. For more info, or to request an application form, contact Chloe Armour:

- Email: chloe.armour@ecan.govt.nz
- Phone: 027 678 9772

5. Action for Healthy Waterways

The Ministry for the Environment released information on the Action for Healthy Waterways on 28 May 2020. For more information on Action for Healthy Waterways go to: <https://www.mfe.govt.nz/action-for-healthy-waterways>

This site includes information on what the action for healthy waterways package might mean for different community sectors, and what support is available.

Information for the following are available:

- Iwi/Māori
- Regional councils
- Dairy farmers
- Sheep, beef and deer farmers
- Horticultural growers
- Farmers and communities

Other useful Action for Healthy Waterways information sheets provided include:

- Benefits and costs
- About attributes in the National Policy Statement for Freshwater Management
- On modelling that supports the action for healthy waterways package

To view the Environment Canterbury media statement on this 28 May release go to: <https://www.ecan.govt.nz/get-involved/news-and-events/2020/freshwater-package-welcomed/>

A revised FAQ relating to Proposed Plan Change 7 is also provided below:

Does the Government's Freshwater package mean Plan Change 7 needs to be changed?

The Government has made its decisions in relation to the Action for Healthy Waterways (formally Essential Freshwater) package and has indicated that new regulations and a new National Policy Statement for Freshwater Management will be released soon. Once the new regulations and National Policy Statement have been gazetted, the Independent Hearing Panel, appointed by Environment Canterbury to run the hearing, will consider how best to address those documents within the scope of submissions made on Plan Change 7 and Plan Change 2.

6. Environment Canterbury Groundwater Science

Recently two Environment Canterbury groundwater reports have been published, and the new LAWA groundwater quality topic has been launched:

<https://www.lawa.org.nz/explore-data/groundwater-quality/>

A link to the LAWA topic and the two reports have been published on these pages:

Link: <https://ecan.govt.nz/your-region/your-environment/water/canterburys-water/>

Link: <https://ecan.govt.nz/your-region/your-environment/water/canterburys-water/groundwater/>

Questions & Answers for each of these reports is provided as **agenda item 7-4**. **Key messages** from each Environment Canterbury report are provided below:

Groundwater survey

- Our annual survey reports data to 2019, so a little ahead of LAWA
- The focus is on nitrate trends and results, which are particularly important to Cantabrians and all New Zealanders
- We welcome all research into the health impacts of nitrate in waterways
- This survey shows little change from earlier ones, in line with our predictions (little improvement is expected for 15-20 years due to legacy effects, although plans and on-the-ground action are having an impact)
- See <https://ecan.govt.nz/get-involved/news-and-events/2019/nitrate-in-waterways-whats-the-story/>

Nitrate risk maps

- For those with private wells drawing water from shallow aquifers
- Little change since 2017
- Used by Community and Public Health to ensure safe drinking water for private well owners
- For individual zone maps, please refer to this link: <https://www.cph.co.nz/your-health/drinking-water/>

LAWA groundwater quality topic

- We welcome the launch of the topic – it's a valuable addition to the water / environmental information now available to the community that LAWA has been building for some time, with support from councils
- It brings ECan data (from last year) into a national framework
- We also welcome the E. coli trends data (something ECan collects but not previously reporting).

7. KDC Youth Council

To view the Youth Council section of the KDC website, please use this link:

<https://www.kaikoura.govt.nz/our-council/youth-council/>

REPORT TO: KAIKŌURA WATER ZONE COMMITTEE

DATE:	April - June 2020
SUBJECT:	Communications
PREPARED BY:	Kim Whitwell

1 SUMMARY

Communications report to Kaikoura Water Zone Committee for the period April-June 2020. Note COVID-19 interruptions to BAU has meant that normal content creation and output halted.

2 RECOMMENDATION

That the committee:

- 1.1 receive this report as read
- 1.2 Provide feedback for stories or channels

3 CONTENT AND INFORMATION

	KK Star	ECan web	ECan/Cant Water FB	KDC FB	KDC email nl	KK Notice-board (FB)	Other
WZC meeting	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kev's Corner	April – yes May - yes	April – yes May - yes	April – yes May - yes	April – yes May - yes	April – yes May - yes	April – yes May - yes	April – yes May – yes
Outdoor burning	KDC feature	N/A	N/A	N/A	N/A	N/A	N/A
Clarence weed control	Yes	Yes	Yes	Yes	Yes	N/A	N/A

Other potential channels:

- ECan internal
- North/Canterbury News

Report to:	Works and Services Committee
Date:	27 May 2020
Subject:	Works and Services BAU Report
Prepared by:	Sam Murphy –Works and Services Manager Mark Millar - Roothing Engineer Bruce Apperley - Three Waters Engineer Dave Clibbery - Senior Manager Operations
Input sought from:	
Authorised by:	Angela Oosthuizen – CEO

PURPOSE AND ORIGIN:

The purpose of this report is to provide the Committee with an overview and status update on business as usual (BAU) activities.

Works and services includes:

- maintenance and operation of the local roading and footpath network and associated infrastructure (bridges, signs, street lights, road marking, barriers etc)
- maintenance and operation of 3 waters networks and schemes
- operation of waste collection, recycling and other minimisation and residual waste disposal
- maintenance of reserves, parks and toilets
- maintenance of community facilities
- maintenance of airport and harbour infrastructure

1. ROADING:

1.1 Road Maintenance Contract

The road maintenance works for April were disrupted due to COVID-19 level 4 and 3 restrictions. However this did give KDC Roothing Engineer and Downer the opportunity to work together to refine programmed works once out of lockdown, which involved pricing & logging of all desired works within RAMM for the remainder of the financial year. All routine works continued as planned and as allowed during the restrictions with close scrutiny by KDC Roothing Engineer and Downer as necessary.

Our approved programme of works was not completed but adjusted to achieve better results when works were able to recommence again.

Works and services for roading included:

- Street sweeping around township – Twice weekly
- Weed spraying around town was continued as agreed for regular works
- Routine maintenance for potholes, edge breaks, signage replacements,
- Detritus and rubbish pickup

- A full round of maintenance grading was commenced once damp road conditions became available.

Activities Programmed and included until year end:

- Develop new forward works programme with KDC Roding Engineer & Downer for remainder of year
- Readiness for potential “Shovel Ready” works developed in conjunction with Downer and KDC
- Cleaning sumps and street sweeping as programmed.
- Completion of full round of maintenance grading to all unsealed roads
- Traffic Counts recommencing again after lockdown
- Kekerengu Valley Road – Fords crossing replacement works, corner widening & chip sealing and completion of drainage works.
- Waipapa Road - Culvert replacement (culvert actually broken, not dislodged as previously thought)
- Ongoing cattle stop repairs and cleaning works
- Minor road safety improvement works
- Rehabilitation of existing roads, metalling, drainage and chip seal where possible
- Kerb and channel repairs
- Footpath maintenance
- Schoolhouse/Mt Fyffe culvert replacement scheduled for June
- Road safety works
- Maui Street drainage works
- South Bay – Culvert sight-rail works
- Koura Bay – subdivision entrance repair works
- Goose Bay drainage improvement and area tidy up works
- Completion of Earthquake Repairs

The April works share was Downer 51%, Local Contractors 49%.

1.2 LED Lighting

Due to COVID19 this is on hold, however pricing of these works is continuing and once this information finalised this can then be included in the business case to be submitted to NZTA to apply for the available subsidy which is an 85% FAR (Funding Assistance Rate).

Installation will proceed in the 2020/21 year.

1.3 Program Funding

It is expected that roading expenditure for the 2019/20 year will be significantly under the approved Annual Plan budget for the year. This is primarily because the Annual Plan Budget for year of \$2,319,917 is \$633,880 more than the approved 2019/20 NZTA annual budget of \$1,686,037.

As such the actual budget available for 2019/20 is \$1,686,073 plus the un-subsidised 49% portion of \$633,880 (\$310,601) which is equal to \$1,996,638.

It is however believed that it would be undesirable to spend all of that \$310,601 portion without corresponding NZTA subsidy because doing so would substantially reduce ‘bang for buck’.

At this stage it is only proposed to spend \$132,000 of the \$310,601 during the current year, for pavement rehabilitation on Wilderness Road.

There is a possibility that NZTA might be able to provide additional unallocated subsidy in the current financial year, and application will be made for this, but NZTA would be unlikely to confirm their ability to do so until very close to the end of that year. At this point there can be no certainty regarding this and it would be considered imprudent to undertake further works using the remaining unsubsidised portion of \$178,601 in the hope that a corresponding subsidy might be forthcoming later.

The works associated with this remaining expenditure are pavement renewals on Factory and Skevington Roads which whilst considered necessary are not viewed as especially urgent, and it is therefore believed that they should be deferred until a later year (probably 2021/22) when corresponding subsidy funding should be available under a new 3 year NZTA funding program.

It is therefore proposed that the remaining \$178,601 unsubsidised portion of the current year's roading budget is carried over for use in such a future year. This should not be considered as a cost saving as the work in question still needs to be done.

2 THREE WATERS

2.1 Water Supply

2.1.1 Boil Water Notices (BWN) Status

Boil water notices (BWN) remain in place in the East Coast (Clarence), Kaikōura Suburban and Fernleigh schemes. East Coast BWN and Suburban BWN have been in place since the November 2016 earthquake. The Fernleigh BWN was put in place on 24 December 2018. The actions are unchanged from the April report to the Committee.

2.1.2 East Coast Scheme Future

Investigation and upgrade plans are expected to be completed in 2020.

2.1.3 Kaikōura Suburban Upgrade

Restrictions with respect to Covid-19 have caused further delays, this work has been deferred until early in the 2020/21 financial year. This project has also been included in the "Shovel Ready" funding application and is now awaiting central government announcements as to whether this is successful.

2.1.4 Fernleigh Water Supply

A meeting with the maintenance and operation contractor was held on 19 May. Next steps include the contractor providing an asset register and asset performance data. KDC staff will review the information received along with current costs, incomes and expected upgrade costs to meet the Drinking Water Standards. A report to Council will then be prepared with recommendations for Council to consider.

2.1.5 Kaikōura Urban Water Supply

Kaikōura urban water scheme demand has remained at approximately 3,500 cubic metres per day, similar to demand last winter. No E.Coli were detected during the reporting period.

Design, procurement and installation of new pipework to connect the new ultraviolet light disinfection unit to the Mackles bores was not able to be completed during the month. This is still planned to be completed by the end of June 2020.

Ocean Ridge Water Supply

No E.Coli was detected during the reporting period. Additional raw water online monitoring for the bores is being investigated, in line with the water supply plan.

Peketa Water Supply

Raw water samples continue to indicate the existing bore may be satisfactory for future use, subject to agreement with the Drinking Water Assessor. This would avoid or delay the costs of providing a new bore location, bore, pipework and associated treatment works.

2.1.6 Oaro Water Supply Scheme

Legal advice has yet to be received on the registering of easement agreements for the Oaro scheme bore, pipework and treatment sheds.

2.1.7 Water Safety Plans (WSP)

Currently there are approved WSP's for the following schemes:

- 1) Oaro
- 2) Ocean Ridge
- 3) Kaikōura Urban
- 4) Kincaid
- 5) Peketa
- 6) Fernleigh
- 7) Kaikōura Suburban
- 8) East Coast Rural – on-hold pending discussions on future options

Updates to the WSPs and improvement schedules are being undertaken.

2.1.8 Water Main Renewals

Works on the Hastings St water main was delayed due to Covid-19 restrictions however work will now recommence. This is an unplanned renewal that has been brought forward due to the amount of repairs being undertaken on failing water laterals as well as footpath renewal works being undertaken in this area.

This area has also been scheduled for new footpath works due to the installation of the fibre optic network in this area. The renewal of the footpath will be completed as a cost share arrangement between Chorus and KDC's footpath renewals budget which will reduce the cost of the watermain upgrade.

3 WASTEWATER

Scheme Performance

Reticulation performance has continued to be satisfactory. Odour mitigation works at Gillings Lane are under way.

BAU and IWK staff have continued to assist commissioning of the new aerated lagoon which is part of the rebuild project.

Discharge quality has continued to be compliant.

4 STORMWATER SYSTEMS

Scheme Performance

There were no significant rain events.

5 PARKS AND RESERVES, BUILDINGS AND FACILITIES:

5.1 Parks and Reserves

Reserves maintenance works were re-started and playgrounds and public toilets were re-opened on 11 May.

5.2 Buildings

Old Council Building

A report has been received from a structural engineer on the estimated costs for repairing and strengthening the building. A cost of \$663,000 has been indicated, which is substantially higher than expected, and it appears doubtful that Council funding of such works would be justifiable.

Memorial Hall

A water leak under the concrete floor near the northern entrance ramp has been repaired.

Cuddon Building

No concerns have been reported. The sole tenant, the Op Shop, has received tenders for upgrading the fitout of the entire space. This will be done at no cost to Council.

Scout Hall

The Covid-19 lockdown delayed preparation of tender documents related to the Department of Internal Affairs (Lotteries) grant for \$136,266. A separate report will be provided to Council on future use and management options.

Civic Building

The current focus is on obtaining a certificate of compliance for the building. The Building and Regulatory Manager is to manage the associated process going forward.

Pensioner Cottages

Kitchen and bathroom fans installation is almost complete and heat pumps have been serviced. A mid-year review is about to be conducted with tenants. Indoor trip hazards and significant outdoor slip and trip hazards have been dealt with. There has not been sufficient budget in the 2019/20 financial year to carry out wider carpark resealing.

Wharves and Jetties

Activities from Council's wharves and jetties have recommenced without issues.

Replacement of concrete on Council's South Bay public boat ramp is planned to commence early in the 2020/21 financial year.

Old Fyffe Quay Proposals

Discussion of proposals for the slipway ramp, rail and cradle facilities at the old Fyffe Quay site needs to take place either in conjunction with or after decision making in respect of Wakatu Quay site design.

Airport

Airport use has recommenced, at considerably lower levels than assumed for the landing fee budget. Some areas of turf condition on the grass runway are still in poor condition. As noted in the April report these may require unbudgeted repair work in spring to cope with next summer's peak traffic.

The hangar supplier has applied for Building Consent for hangar repair works. This is a significant step forward in achieving a code compliant insurable building. The application documents are being assessed by an independent chartered engineer as part of the consenting process. Providing the design is deemed acceptable, settlement of Council's claim against the hangar supplier should now be possible.

Wakatu Quay Buildings

Following the COVID-19 lockdown work has re-commenced on the process for the demolition of the buildings in readiness for PGF development. A survey for the presence of asbestos in the buildings has been conducted, and once the results of that are obtained a contract will then be tendered for the demolition works.

A fencer has been engaged to erect a security fence that will be used to exclude the public from the quay during the demolition process.

The demolition will be a significant and potentially challenging exercise, and at this point it appears that the works will not be completed until October.

6 SOLID WASTE:

With the move to COVID-19 level 2 solid waste services largely returned to pre-COVID19 levels.

IWK has very effectively managed the changes of services associated with the different alert levels, and the community has generally responded well.

Some confusion has however resulted from the recent changes, including a few people continuing to put out bags of refuse at kerbside after the collection arrangements at Level 4 ceased.

Community outcomes supported.

The outcomes below are being supported.



We value, protect and enhance Kaikōura's unique natural environment and biodiversity and sustainably manage disposal of waste.



Our community is resilient, safe and well and has their essential needs met



Our infrastructure, housing and community facilities are easily accessible, cost effective and able to withstand our natural hazards.

7 SIGNIFICANCE OF THE DECISION

This decision is not considered significant in terms of Council's Significance and Engagement Policy

8 RECOMMENDATION

That Council: 1. Receives the report.

Canterbury Biodiversity Initiative

Fish Habitat Fund

Seeking Project Proposals

Environment Canterbury has an initiative to identify site specific issues which threaten native fish populations and provide financial support to remediate these issues. Currently \$100,000 per year is available.

Priorities:

- General fish passage
- Inanga habitat
- Mudfish conservation
- Longfin tuna/eels
- Non-migratory species

Examples of projects:

- Remediating or removing a barrier to fish movement in a catchment where fish are prevented from accessing high quality instream habitat further upstream (including design of remediation solution)
- Areas of importance for mahinga kai rearing or gathering which could benefit from instream restoration
- An area which is known to be of high value for native fish, but they are being put at risk by the incursion of exotic species
- An area which was historically known for spawning or fisheries value, but there is little knowledge of current fish species and habitat
- Improving instream habitat for a particular fish species

Proposals requested by Friday 3rd July 2020.

To discuss a project proposal, request an application form or submit a proposal please contact Chloe Armour (027-678-9772, chloe.armour@ecan.govt.nz) or your local Environment Canterbury Biodiversity Officer (contact via 0800-324-636).



Groundwater quality Q&A, April 2020

How many wells does Environment Canterbury monitor?

- In 2019 we sampled 328 wells during the spring months of September to December.
- Of those, 125 were also sampled quarterly throughout the year, and those are the wells included in the new LAWA groundwater quality topic.
- The 125 wells that ECan samples quarterly are the shallower wells that are most vulnerable to contamination from the land surface, so their results are biased toward higher contaminant concentrations.
- We sample them quarterly because, being shallower, they are also the wells most likely to show seasonal changes in groundwater quality.

What type of wells are monitored?

- The wells are a mixture of private domestic wells, irrigation wells, community water supply wells, wells for industrial supply, and purpose-built monitoring wells owned by ECan.

How are the wells selected?

- The wells are selected based on their locations and depths. The aim is to provide a roughly representative sample of the wells used for water supply in Canterbury.

How many wells are used for private or community drinking-water supply?

- Annual survey: Of the 328 wells sampled, 155 are used for private domestic supply and 19 are community water supply wells.
- LAWA: Of the 125 wells included, 54 are used for private domestic supply and 4 are community water supply wells.

Did any private drinking-water supplies have nitrate or *E. coli* above the MAV?

- Annual survey:
 - *E. coli* was detected in 11 private domestic wells and no community water supply wells in the 2019 survey.
 - The nitrate nitrogen concentration exceeded the MAV in the samples from 11 private domestic wells and no community water supply wells in the 2019 survey.
- LAWA:
 - 38 private domestic wells and 2 community water supply wells had at least one *E. coli* detection in the period 2014-2018.
 - 54 private domestic wells and 4 community water supply wells had nitrate nitrogen concentration exceeding the MAV on at least one sample in the period 2014-2018.
- All well owners are notified of any results that exceed drinking water standards.

Does ECan monitor drinking water?

- No. We monitor raw groundwater before any filters or treatment.

Who is responsible for testing drinking water?

- Private well owners are responsible for testing their water and ensuring that it is safe to drink. Community water supplies are tested regularly by the supply owner (usually the local council).

Why are there differences in the results between LAWA and ECan's Annual Groundwater Quality Survey?

- The results are broadly similar, but there are some differences because our annual survey is conducted annually, whereas LAWA reports quarterly data.

Why are the nitrate risk maps only updated every two years?

- The maps represent the risk that nitrate concentrations in groundwater could exceed the drinking water standard. This risk changes very slowly, and a two-yearly review is frequent enough to detect any changes.

Why is there no data for Banks Peninsula?

- Groundwater use on Banks Peninsula is very limited, so ECan does not monitor groundwater quality there.

Are the results what we expected?

- Yes, the results are in line with previous surveys and reports. Groundwater quality changes slowly, and we don't expect to see clear improvements for another 15 to 20 years.

How many wells had *E. coli* detections?

- Annual groundwater quality survey: *E. coli* was detected in the samples from 20 out of 328 wells sampled in the spring of 2019.
- LAWA: *E. coli* has been detected in at least one sample over the past five years in 86 out of 125 wells. Note that the 125 wells that we sample quarterly are the shallower wells that are most vulnerable to contamination from the land surface, so their results are biased toward higher contaminant concentrations.

How many wells had nitrate nitrogen concentrations above the MAV (11.3 mg/L)?

- Annual groundwater quality survey: Nitrate-nitrogen exceeded the MAV in the samples from 30 out of 328 wells sampled in the spring of 2019.
- LAWA: Nitrate nitrogen has exceeded the MAV in at least one sample over the past five years in 45 out of 125 wells. Note that the 125 wells that we sample quarterly are the shallower wells that are most vulnerable to contamination from the land surface, so their results are biased toward higher contaminant concentrations.

Why do shallower wells show higher contaminant concentrations?

- In general, at any given location, the highest contaminant concentrations are found in the shallowest wells, near the water table.
- This is the first point where contaminants from the ground surface reach the aquifer, and concentrations have not been diluted by mixing with deeper groundwater.
- Concentration is not solely related to depth. Groundwater source and flow paths are also important, as are proximity to contaminant sources.
- In some locations, we see quite low concentrations at shallow depths, close to the water table, while at other locations, we see high concentrations persisting to considerable depths.

MINUTES OF THE KAIKŌURA ZONE WATER COMMITTEE MEETING HELD AT 12.30PM ON WEDNESDAY 4th MARCH 2020 AT KAIKŌURA COUNCIL BUILDING – COUNCIL CHAMBERS.

PRESENT: T Sonal, R Roche (Deputy Chair), T Howard (Chair), N McArthur, J Murray, C McConchie, T Blunt (KDC Councillor)

IN ATTENDANCE: K Whitwell, K Heays, M Griffin, S Bowman, S Bragg, M Dodson, A Meredith, H Melville (all ECan)

APOLOGIES: A Boyd, G Edge
Moved T Blunt Seconded R Roche

THAT the CWMS Kaikōura Zone Committee:
(a) accept all apologies.

CARRIED

KARAKIA – S Bragg

Meeting opened 12.30pm

1. Committee check-in & order of business

It was noted N Muijsson is no longer taking minutes due to her new role at KDC. K Whitwell (ECan Comms) has kindly offered to take the minutes as an interim replacement.

Register of interest updated live, R Roche removal of Kaikōura Vineyard Trust, It was noted that Councillor G Edge's register of interests have been updated.

Committee check-in and/or highlights of the month, including the red zone now in Kaikōura post-quake (potential purpose for the group) and identification that some people in the community are still struggling post-quake.

2. Opportunity for the public to speak

There were no members of the public present at this meeting wishing to address the committee.

3. ECan Science Monitoring – briefing

M Dodson and A Meredith (ECan Science) provided the committee with a presentation about the interconnectedness of surface and ground water and how this affects contamination of waterways.

K Heays enquired about deep wells in Kaikōura affecting smaller wells when water is drawn. M Dodson said it depends on the geological set up.

C McConchie enquired as to whether the presentation example will be relevant/affect consent to farm. M Dodson noted that the system allows committee members to see how things related and connected surface and groundwater, and how changes in one place affect others in close and further proximity. He noted it's difficult to separate pumping and climate effects as they are occurring at the same time.

T Sonal enquired where the underwater ocean flow influences the freshwater system. M Dodson noted seawater, being a lot denser, can reduce saltwater impacts inland. He added it's important to really understand how and where this water is coming from, as Kaikōura has many sources.

C McConchie enquired what is classed as a deep well. M Dodson said it is relative, but 'deep' wells are generally beyond 80m in depth within the Canterbury area.

J Murray enquired about water being a million years old and what this means. M Dodson noted that it means there probably isn't any water entering this groundwater system or aquifer. A Meredith noted pumping water out of a system like this would most likely result in depleting the system.

M Dodson noted that both groundwater and surface water levels are monitored in Kaikōura. A Meredith reiterated that there is a reasonable amount of monitoring in Kaikōura to help understand how things are working, particularly for issues in the spring-fed streams and the Kaikōura Plains red zone. He noted that the red zone is a planning tool primarily to manage the effects on sensitive waterways on the plains.

T Howard enquired about testing the run-off and sediment levels in Lyell Creek and whether this is worse post-quake. A Meredith noted that no, they haven't. This type of testing has been completed in other parts of Canterbury so can be done, but is an expensive process. He noted the age of sediment can contribute to knowing how it got there.

T Blunt asked if it would be possible, with one testing round, to get some samples from the springheads themselves. He noted that there are some farms throughout the region that recorded high levels of contamination, but when tested at the head, it showed similar levels. He suggested it would be interesting to find if there is a natural level of (especially phosphorus) at the springheads. T Sonal supported this as it would be good to have an answer. A Meredith noted that these studies show nitrogen is a ground driven nutrient. Phosphorus is different, and not as black and white. M Dodson noted it depends on the rocks and distance/pathway that it crosses, but this testing was a possibility.

T Sonal noted that decision making around waterways should be made in relation to allowing people to take water and consider how this influences other waterways/sources. M Dodson noted that this type of enforcement mechanism is

managed through the current allocations for individual rivers and uses ecological criteria.

T Sonal enquired about Warrens Creek E. coli levels and whether this could be related to topography or whether it is solely human/animal interaction with this area. T Blunt noted ducks can have a big impact in waterways. A Meredith noted the source of water is important to understanding this type of issue.

T Sonal asked whether the committee can ask for testing of all rivers at source to set a baseline, then test further down to see what is causing contamination. M Dodson noted this is useful information to understanding the freshwater system and has scientific merit. A Meredith noted the previous presentations to the committee of the monitoring programme in Kaikōura and whether this provided a sufficient baseline.

A Meredith and T Blunt noted that there has been progress from when data began being collated for the Kaikōura District.

KWZC requested that A Meredith and M Dodson provide the committee with a proposal for further monitoring of the Lyell Creek catchment and the Kowhai River sources, where it exits the gorge, to help identify where and what is causing contamination (e.g. phosphorus, nitrogen, and E.coli).

A Meredith and M Dodson provided the committee with an update on the nitrate probes that are currently being trialled by ECan. They noted that they are a work in progress, in terms of application and benefit to the existing science monitoring already in place.

T Blunt noted the committee are relatively aware of cost and process for using these. He clarified that idea behind having them in Kaikōura was to understand the source of the nitrates. A Meredith noted the complexity and uncertainty around nitrates in Kaikōura and whether this type of probe was the best, or only, option for monitoring nitrates in this zone.

T Blunt noted that Lincoln University were going to be the ones undertaking much of this work, but cost was going to be relatively large. It was agreed the probes were an option to look at again in the future, with guidance from ECan Science on how and where these probes could contribute to current monitoring.

A Meredith suggested there could be a community opportunity to utilise these probes, where people bring in their own water and the probe tests their water. The cost to public for this test would be around \$20. He clarified the testing would not be in a certified laboratory so the level of certainty for results would be decreased.

KWZC requested that A Meredith and M Dodson provide the committee with a proposal of how a community monitoring event could be held where people can test their own water.

4. Committee role & purpose workshop

S Bragg noted the discussion for purpose statement at the previous meeting, which gives the group the “what” they are here to do. Discussion around making sure supporting documentation for the KWZC is fit-for-purpose and up to date. He clarified that there are various ways to decide/workshop this, and it is important for groups to find an approach that suits them as a group. He added that with some committee members not in attendance, we would advance but not finalise this process today.

S Bragg then led the committee through an open session on options for the purpose statement. M Griffin wrote up the options, and following further discussion and refining of those options, the workshop closed with the committee agreeing to review and revisit these at the next meeting. M Griffin would circulate the draft options to all the committee for review.

5. Immediate Steps projects – update

H Melville presented an Immediate Steps Biodiversity project for the committee to consider, and an update on the projects currently underway. The financial update for Immediate Steps expenditure this year is \$104,500k spent, with \$45,302k remaining until June 2020 (not including funds allocated in this meeting).

Mt Fyffe wetland – recommendation from H Melville to support this project. It is manuka-dominant, has high ecological values and unique vegetation. Funding will be used for fencing, ongoing weed control, predator control and small amount of planting. There was a discussion around the type of fencing required. H Melville clarified the requested funding covers the cost for a sheep fence (netting) with a hot wire.

T Sonal enquired about the buffer zone for the wetland. H Melville advised that the landowner has considered this and the proposed fence line, as presented, is enough from his perspective and considers the pugging sites.

Recommendation that the KKWZC commit \$12,118 from the Immediate Steps Biodiversity Fund to the Mt Fyffe wetland.

Moved J Murray Seconded N McArthur

THAT the CWMS Kaikōura Zone Committee:

Support the Mt Fyffe wetland project by approving a total of \$12,118 in funding from the Immediate Steps Biodiversity Fund

CARRIED

6. Committee updates

• **2019 Annual Report** – signed off at the last committee meeting. This report will go to both Councils.

- **3 Waters Update (KDC)** – attached, included additional Suburban water supply upgrade report.

- **Kaikōura Zone Delivery Team** – update (K Heays)

Verbal updates:

1) Meeting with M Griffin, K Heays, Chair and Deputy Chair of committee. Looked at revamping quarterly updates from Zone Delivery Team to update the committee on work over the previous three months. Each officer to attend and speak to reports. In between these updates, breaking news only will be provided to the committee on a monthly basis.

2) Recent Beach Road sewer spill. Noted the new sewer line has been built along Beach Road with an initial trial which ended in a spill that flowed across the road into Lyell Creek. Noted that the pipe did not have sewerage in it and was fixed promptly, however, no immediate notification was declared to Environment Canterbury. Remediation was advised eventually.

- **CWMS Regional Committee** – update (T Howard)

Noted that update was previously circulated to the group.

- **Other** – Request for the KDC Youth Council report to be included in the committee monthly updates (re: youth engagement). Whitebait management document was circulated, to be carried over to April meeting.

7. General business

Confirmation of previous minutes – change below.

T Sonal noted not her suggestion that carboard and paper could be mulched for planting days, since it is no longer being recycled, was not included in the minutes.

Moved by T Sonal, seconded by R Roche and resolved that the minutes of the Kaikōura Water Zone Committee meeting held on Wednesday 5th February 2020 be confirmed a true and accurate record.

- Matters arising – T Sonal noted more Lyell Creek planting in town, to be looked at by H Melville, and also if the history of Lyell Creek could be shared with the group. K Heays noted it will be included in Zone Delivery update or breaking news.

There being no further business, the meeting closed at 16:10pm

CLOSING KARAKIA – All (Led by S Bragg)