



KAIKŌURA WATER ZONE MANAGEMENT COMMITTEE

on

WEDNESDAY 05 June 2019

TO BE HELD AT THE

DISTRICT COUNCIL CHAMBERS

2ND FLOOR

96 WEST END, KAIKŌURA

AT 12:30PM

KAIKŌURA WATER ZONE COMMITTEE

MEETING

Date: **Wednesday, 5 June 2019**

Time: **12.30 – 4pm**

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

TIMETABLE & ORDER OF BUSINESS

	12pm	Lunch	
		Open – Karakia	
1	12.30	Committee check-in & Order of business	Chair – T Howard
		<ul style="list-style-type: none"> • Apologies • Announced urgent business • Confirmation of previous meeting minutes • Te Reo practice 	
2	12.50pm	Opportunity for the public to speak	Chair – T Howard
3	1pm	Waiau Toa / Clarence Riverbed Weed Control Strategy – briefing	M Harding
		<i>Mike will provide a briefing to the Zone Committee on this weed control strategy completed for the Waiau Toa / Clarence catchment.</i>	
4	1.45pm	Waiau Toa / Clarence Biodiversity Action Plan – update	S Palmer
		<i>Steve will provide an update on the Biodiversity Action Plan for the Waiau Toa Clarence catchment.</i>	
	2.25pm	Afternoon Tea	
5	2.40pm	Waiau Toa / Clarence predator control – update	M Bell
		<i>Mike Bell of Wildlife Management International Ltd will provide the committee with an update on the predator control being undertaken in the Waiau Toa / Clarence catchment.</i>	
6	3.20	Committee Updates	K Heays
		<i>Several updates will be received by the committee, including a short update on Zone Delivery and the CWMS Regional Committee</i>	
7	3.50	General Business	T Howard
	4pm	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

MINUTES OF THE KAIKŌURA ZONE WATER COMMITTEE MEETING HELD AT 12.30PM ON WEDNESDAY 1st May 2019 AT KAIKŌURA COUNCIL BUILDING – FUNCTION ROOM.

PRESENT: T Howard (Chair), G Solomon, A Boyd, R Roche, Councillor S Lowndes,.

IN ATTENDANCE: M Griffin, T Butterfield, K Heays, H Melville (Kaikōura ECan), A Scott-Thomas, K Whitwell, (Kaikōura District Council), and N Muijsson.

APOLOGIES: J Murray, N McArthur, T Sonal, Councillor C Harnett, Councillor T Blunt

Moved by G Solomon, seconded by A Boyd and resolved that apologies be accepted.

KARAKIA

1. COMMITTEE CHECK-IN & ORDER OF BUSINESS

URGENT BUSINESS

Chris Gregory (KDC) will be joining the committee at 13.30 for approximately 15 minutes to provide an update on the drinking water status.

G Solomon would like to have a conversation about freshwater mātaītai before it is addressed as part of committee updates at 15.00.

CONFIRMATION OF MINUTES 3rd APRIL 2019

G Solomon noted that she was not noted as being 'present' even though she had been, this is to be adjusted.

Moved by R Roche, seconded A Boyd and resolved that the minutes of the Kaikōura Zone Water Committee meeting held on 3rd April 2019 be confirmed a true and accurate record.

TE REO PRACTICE

G Solomon had prepared a Te Reo practice sheet with a focus on local geographical features for this meeting. A printed copy was distributed to all in attendance.

2. OPPORTUNITY FOR PUBLIC TO SPEAK

There were no public in attendance at this meeting.

3. 2019/20 WORK PROGRAMME – REVIEW

M Griffin brought forward the Zone Committee's work programme as provided with the agenda to gain an overview of the calendar for the next months and to determine what should be the priority focus. The next WZC meeting will have a focus on the Waiau-Toa, with Steve Palmer (ECan Biosecurity Advisor – Special Projects) attending along with Mike Harding (riverbed weed control) and Mike Bell (predator control) presenting. The October and November meetings are to be confirmed, as this coincides with local government elections. The December meeting might be a field trip, though potential sites are to be confirmed. K Heays suggested this would be the opportunity to confirm a location for a 'memorial' for David Bedford as well.

With regards to the 2019/2020 work programme presented, G Solomon noted that in the Wetlands section, the value of wetlands to the community did not seem proportionately reflected, with a strong focus on land owners. K Heays acknowledged that the appreciation, care and value of wetlands to the community as a whole will be a Comms target.

G Solomon also enquired where it is up to with the water storage tanks work stream that Jeremy Harnett had worked on. M Griffin noted that an adequate size of water tanks and cost is to be confirmed, as the tanks that were earlier discussed are probably not large enough for some households. G Solomon wished to stress the potential benefit of this initiative to the whole community and noted she sees this as an opportunity to leave a legacy as a Zone Committee (member). As Immediate Steps funding is not available for this, other options for funding will need to be explored. G Solomon would like to see this happen. T Howard noted that National Science Challenge Resilience funding might be worth exploring, though more details and a better idea of what it would look like are required first. M Griffin noted that Wellington/Lower Hutt Council has previously worked on a similar initiative, which provides some precedent for this option in the community.

➔ It was agreed there is potential to investigate this further and the committee will revisit this as a topic for August meeting.

S Lowndes suggested numbering the work programme's priorities in order to clarify and relate them to each other in terms of specific funding and expertise, in order to spend the available money on the right things for the biggest impact.

In answer to a question from K Heays on how to go about adding things into the programme, M Griffin noted the programme is updated as the year progresses, while monthly updates will continue in the regular meeting committee updates.

G Solomon raised the suggestion of the creation of (safe) swimming sites in the District, particularly for the summer months; be added to the priorities. A discussion will be required around this.

On enhancing Mahinga Kai values, G Solomon suggested collaborative work between different local organisations, such as KWZC, the Mātaitai Management

committee of the Taiāpure, with the inclusion of community members and Rūnanga members/representatives. K Heays noted that as local WZC, there probably already is an obligation to work together with other local community groups; this was confirmed by M Griffin with reference to the Kaikōura ZIP recommendation 2.2.6.

The committee wished to address the recent issues and tension around freshwater mātaítai before visitors were expected to attend later in the meeting. S Lowndes noted that there seem to be a lot of worries and fear around lines on a map recently issued, and suggested these misunderstandings should be addressed before the issues grow. T Howard provided a brief run-down of the history of the freshwater mātaítai and the consultation processes that have taken place locally. While it has been talked about for a long time, the committee acknowledged that the consultations have mostly taken place in venues where farmers generally wouldn't go. The main confusion and frustration amongst community members, and political representatives, appears to be concerning the map that was issued and the land boundaries indicated on it. The committee was unanimous in its wish to clear up information in order to reduce stress on the matter; clarifying that the mātaítai aim to address in-stream health and is thus limited to the waterways within the boundaries drawn out on the map. R Roche noted that he has since spoken with local MP Stuart Smith, and had a chance to clarify the issues around the map with him directly. S Smith explicated to R Roche that the problem, in his eyes, lay with a piece of the law, and he will be taking legal action on that.

➔ The Zone Committee could facilitate a presentation on freshwater mātaítai, possibly linked with information on Mahinga Kai (values) for the community, to help clarify what these are in practice.

13.40pm – C Gregory, K Hunt, L Clifford, K Whitwell (KDC) arrived

Chris Gregory (KDC) joined the committee at 13.40 to provide an update on drinking water status in the District and previous BWN (Town supply). He apologised for not attending earlier meetings; noting he had not received the invitations.

C Gregory confirmed that the recent BWN on the Town supply commenced mid-March following slightly elevated levels of coliform in the Mackle's bore readings. The initial BWN was a precautionary measure following the elevated levels, however this was raised to a mandatory BWN after a single E-coli was detected at the Fords Reservoir on March 11 and the DHB got involved. At this stage an assessment was made with a Medical Officer of Health and an elevated testing regime was implemented. Additional chlorine was added and daily local testing carried out.

KDC contracted Food&Health for the daily testing, who courier the samples to Christchurch to a subcontracted lab, accounting for a delay in results getting back to KDC. The investigation carried out highlighted weaknesses in the system due to construction and ageing of the systems, while the Mackle's Bore in particular showed weaknesses in the systems as a result of the 2016 earthquake. Works were scheduled to fix the leaking tank roof, resealing between the roof and tank walls, change the pipework and sterilize the walls. The aim was to have the works completed in three weeks and have the BWN notice lifted by Easter. Once the works

were completed and three consecutive clear tests were confirmed, the DHB gave permission to lift the BWN on the town supply just before Easter weekend. The Kaikōura Town supply is currently not on BWN.

C Gregory proceeded to update the committee members on the current status of other water supplies in the district:

- Town supply: currently clear (not on BWN).
 - East Coast: BWN remains in place (since 2016 earthquake). This is not a secure bore, though C Gregory noted it is virtually impossible to get a secure bore. It is currently in compliance with rural agricultural water standards, though this is under review in Central Govt. KDC is working together with DHB on this.
 - Suburban scheme remains on BWN. The water is treated though not stored; technically speaking it is able to hold enough water 20 days, but as many residents on the water scheme exceed the standard household use it often runs out within three days.
 - Fernleigh water scheme is currently on BWN. This scheme is owned and operated by the users; Council's involvement is limited to monitoring and reporting authority (via DHB).
 - Ocean Ridge: currently clear (not on BWN).
- ➔ Confirming: water supplies in the District currently on BWN are East Coast, Suburban, and Fernleigh.

In terms of Comms around the (recent) BWN, Council aimed to provide updates as soon as available via channels such as the Council website and Facebook page, newsletters and email. More vulnerable residents (hospital, schools, rest homes) were directly contacted.

G Solomon raised the question of a possible direct update from KDC to KWZC members, so that they can answer questions from community members better. Chris confirmed that his replacement (Rashid Saddiqui) is well aware and capable of doing so; direct communication lines will need to be confirmed (invitation to meetings, etc.).

K Heays noted that part of the KWZC aim is to support KDC in Comms and provision of safe drinking water to the community; in addition to links between ECan and KWZC, different organisations can work together and assist in getting the word out. Libby Clifford (KDC Communications & Engagement Manager) confirmed that KDC's building and expansion of Comms channels and information updates is still very much work in progress, and any feedback and help is welcome. As a result of the recent town supply BWN, the business contact list has been merged and updated, though it would be good to have different points of contact to spread the word consistently. Individual Water Zone Committee members have now been subscribed to KDC drinking water updates.

4. Biodiversity – Immediate Steps update

H Melville presented the committee with an update on current Immediate Steps projects carried out by ECan and the funding overview for the Kaikōura Zone. The fencing at Nagari ("Barb's site") has been completed, more weed control is required

at Nagari as well as the Hāpuku site. With a significant part of ECan funding (\$30,000) on hold, some of the planned works will be rescheduled for next financial year. This will primarily focus on weed control works. The zone team is currently in the process of acquiring a bridge from KDC, from Gillings Lane, to be used as a stock crossing at Hāpuku wetlands.

H Melville presented the committee with an overview of the Immediate Steps funding available and allocated for this financial year to 30 June 2019:

a. At the Boyd's site (Swan Creek, Waimangarara catchment), he is looking to implement the second stage to the Immediate Steps project that was completed in 2017. Given the success of the project, with the land owner having successfully maintained the plantings to a high level (Heath showed before and after photos of the site), it seems like a low risk use of the money with strong biodiversity outcomes. The second stage looks to expand plantings as well as fence off and plant two new wetlands adjacent to the site.

b. At the Frosts' site (Wood Grove, Kanuka Terrace - Hartnett's Creek Protection), the aim is to create a Kiwi2 covenant around the secondary Kanuka/mixed broad leaf alluvial forest. The diverse fern-clad understory has been identified as holding particular ecological value. The site will likely re-generate into Podocarp with many seed sources adjacent. There is potential for One Billion Trees to get involved to increase funding potential, as a way to assist with the initial financial contribution that would be required from the Frosts (mostly for fencing). Heath looked at combining the project with another project downstream from the site that was initiated, in restoring Hartnett's Creek through pasture/grazing. This would involve increasing the fence set back and planting giving the Frosts a greater physical contribution rather than money upfront. Heath is also looking to assist in setting up a trap-line so that predator trapping can be a part of their physical contribution also.

In terms of overland flow path remediation, the team is currently looking beyond the Lyell catchment, prioritizing dairy catchments around streams that have found to be Inanga spawning sites. He has engaged with S Mackle and B Schroder in the Lyell catchment, and M Hislop in the Middle Creek catchment. In prioritizing dairy catchments, particularly where adjacent to freshwater eco-systems, the aim is to increase the impact and improve freshwater quality across catchments.

A key recommendation for Immediate Steps funding is required from the committee at this stage. This funding, totalling to \$56,320, is allocated for Swan Creek Restoration Stage 2 (\$14,000) as well as Hartnett's Creek protection work (\$42,320).

Moved by S Lowndes, seconded by R Roche.

Motioned by T Howard, all in favour.

5. BIODIVERSITY – KDC BRIEFING

K Hunt (Biodiversity Officer at KDC) presented the committee with an introduction to

the Kotahitanga mō te Taiao Alliance and its aims within the Landscape Restoration Strategy. Information is attached with the agenda. While all District Councils (involved) have ratified the strategy, it is not to be launched until June 2019, after ratification from City Councils.

Kate confirmed that the Alliance's strategy is not a statutory document, though it ties in with statutory requirements. It entails a long-term strategy spanning over multiple generations. The focus of the Alliance lies with collaboration and the sharing of ideas across (ecological) boundaries.

Kate is KDC's representative in the Alliance and will be the contact point in Kaikōura for any proposed projects.

15.11 break

15.16 resume

6. **COMMUNICATIONS - BRIEFING**

T Butterfield provided an update on the committee's communications action plan for 2019.

- BWN: See earlier update from C Gregory. Water Zone Committee members have been added to KDC drinking water newsletter updates to receive updates directly.
- Youth engagement: (more) specific details are required to launch any new proposals in the district on this front; Why do we want youth to be involved? What do we want to be doing with youth? What do we aim to achieve? R Roche suggested to spin it around and focus on what youth would like to do, though T Butterfield stressed that clarification is required around the specifics of *why* and *what* before any proposals (*when, how*) can be launched (to tie in with funding, projects, other ideas).
- T Howard's column for this month, focused on additional explanation and background around freshwater mātaimai, was published on the ECan website, KDC website and KDC Facebook page. The question was raised whether the committee wished to directly respond to Stuart Smith's column in the Kaikōura Star regarding the freshwater mātaimai 'announcement'. T Butterfield noted that there is potential to respond in the next WZC Newsletter, focusing on key facts and information. G Solomon thought it a sound idea for the committee to provide some easy-to-understand facts and information, though to let the legal dispute (initiated by S Smith) play out on the side and not get involved. The suggestion was made for T Howard's column for this month to be updated with some more specific details, such as when the mātaimai was gazetted, and the updated version to be updated and shared via Comms channels (incl. KDC Newsletter).

A discussion arose around use of Māori words in particular, as G Solomon noted use of particular terminology appears to ignite significant anger and resistance in a number of people. K Whitwell (KDC) wished to stress the importance of use of the right terms in the right context and providing the right information, thus not to shy away from use of Te Reo given the importance of this terminology particularly in the context of freshwater mātaimai. She also stressed the significance of opportunity that

lies ahead in terms of getting the right information out to the public, providing an opening for certain conversations that need to be had.

➔ **Action:** Ted's column on freshwater mātaihai to be updated with specific dates and possible further information. The updated version is to be sent through to appropriate people in order to be shared via Comms channels, including a (paid) article in the Kaikōura Star. This may potentially be used in the next KWZC Newsletter.

- The next WZC Newsletter is now set for June, though it is unlikely to actually come out in June as Tania will be leaving soon. Regardless, she advised promoting Comms around this time; K Heays confirmed that ECan has some promotion and projects planned around this time too, focusing on wetlands, Mahinga Kai and mātaihai.

Tania also advised to utilise KDC Comms to increase engagement with the Kaikōura community. To ensure greatest efficiency in Comms supplementing the work program, M Griffin suggested adding the Comms program into the work program (provided with the agenda for future meetings).

- The Student Volunteer Army (UC) is coming to Kaikōura; applications should be in by May 11th.

- This was Tania's last KWZC Meeting, as she is leaving. The committee thanked her for her efforts and dedication over the past three years, and wished her well.

7. COMMITTEE UPDATES

- BWN: covered in earlier discussion.

- ECan update: work stream mostly covered in H Melville's presentation. Peter Bradshaw will start next week as C Armour's replacement as Land Management Advisor.

- Freshwater mātaihai: covered in earlier discussion.

- Three Waters Update: Storm water & sewerage to be updated. Drinking water update covered in earlier discussion. M Griffin to contact L Clifford (KDC) to ensure most up-to-date information around any issue that is current and updated.

- K Whitwell and M Griffin to liaise regarding direct communication line between KDC and KWZC.

8. GENERAL BUSINESS

No further business to address.

There being no further business, the meeting closed at 16.00.

AGENDA ITEM NO: 3	SUBJECT: Waiau Toa / Clarence Riverbed Weed Control Strategy – briefing
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 5 June 2019
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

PURPOSE

To provide the Kaikōura Water Zone Committee with an briefing on the riverbed weed control strategy undertaken in the Waiau Toa / Clarence River catchment.

BY WHO

This briefing is provided by Environmental Consultant, Mike Harding.

BACKGROUND

In May 2016 the Kaikōura Water Zone Committee committed \$250,000 of Immediate Steps biodiversity funding, over five years, to protecting indigenous biodiversity the Waiau toa / Clarence River catchment through ongoing weed control management. This strategy is an important contributor to the biodiversity Action Plan (2016-2021).

This strategy delivers on the following 5 Year Outcome and milestone of the Kaikōura Water Zone Committee:

Outcome: Appreciate and enhance the unique wilderness and undeveloped character of the Waiau Toa / Clarence River

Milestone

- Comprehensive weed management programme is in place and accepted by landowners and agencies and overseen by a community group.

SUMMARY OF THE WEED CONTROL STRATEGY

The following summary can be found on pages 4-5 of the strategy document (Harding, May 2019). They are listed in order of priority under each heading.

Priorities for Eradication

1. Russell lupin at and adjacent to the upper Acheron trial planting site.
2. False tamarisk from all parts of the catchment.
3. Tree lupin from all sites above Clarence Bend.
4. Buddleia from all sites above Clarence Bend.
5. Alder, at Fowlers Hut and downriver to St James Homestead.
6. Poplar at Saxton River road-bridge.
7. Broom and gorse from Clarence River catchment above St James Homestead.
8. Broom and gorse from Acheron River catchment.
9. All willow species from Acheron River catchment, above Severn confluence.
10. All willow species from upper Clarence River catchment, above St James Homestead.
11. Columbine from one site at Lake Tennyson.
12. Spanish heath from lower Timms Stream.

13. All willow species from remaining parts of Acheron River catchment.
14. Spearmint, from Alma River, lower Leader Dale, and Bunkers Stream/Bush Gully.

Priorities for Containment

1. Broom, gorse and willow at important areas of open riverbed (including a riparian buffer), to protect breeding habitat of black-fronted tern.
2. Spanish heath along Clarence River between Leader Dale and Styx River (east of Tophouse Road).
3. Broom and gorse north of road, between St James Homestead and Acheron River.
4. Alder at Quail Flat.
5. Maintain wild animal populations at low densities.

Priorities for Surveillance and Monitoring

1. Monitor all broom, gorse, Russell lupin and tree lupin control sites annually.
2. Monitor all other control sites regularly.
3. Monitor the spread and vigour of birdsfoot trefoil along Acheron River.
4. Monitor the spread of stonecrop and white stonecrop.
5. Survey weed-free parts of the upper catchment regularly (especially vehicle tracks) to detect new infestations of existing and new weed species.

Priorities for Advocacy and Investigation

1. Encourage continued cooperation between agencies and land owners/occupiers.
2. Investigate release of additional bio-control agents for the control of broom and gorse.
3. Investigate issues associated with eradication of willow from the upper catchment.
4. Restrict spread of weeds by vehicles by erecting barriers to prevent vehicle access to smaller valleys, and by better signage/advocacy.
5. Liaise with Transpower to ensure weed seeds are not introduced during servicing of electricity pylons, and to ensure effective weed control occurs at pylon sites.
6. Investigate options for seeding or planting of native vegetation at broom control sites.
7. General Recommendations for Control of Riverbed Weeds
8. All riverbed weed control should be undertaken by experienced operators who are well briefed on the nature and likely locations of sensitive native species and habitats.

RECOMMENDATION

That – the zone committee receive this briefing for its information, and with reference to the committee’s five-year outcomes 2015–2020.

AGENDA ITEM NO: 4	SUBJECT: Waiau Toa / Clarence Biodiversity Action Plan – Update	
REPORT TO: Kaikōura Water Zone Committee		DATE OF MEETING: 5 June 2019
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura		

PURPOSE

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

BACKGROUND

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

Outcome 4) Appreciate and enhance the unique wilderness and undeveloped character of the Waiau Toa / Clarence River

Zone Delivery Milestones

- Increase numbers of threatened bird populations to a healthy thriving population on the Waiau Toa / Clarence.
- Comprehensive weed management programme is in place and accepted by landowners and agencies and overseen by a community group.
- Provisions in place to protect the undeveloped character of the Waiau Toa/Clarence Catchment (e.g. sub regional).
- Protection plan in place to safe-guard native fish and plant populations within the Waiau Toa / Clarence Catchment.

WHO

- This update will be provided by:
 - Steve Palmer (Biosecurity Advisor – Special Projects, ECan)
 - D Marris (Amuri Helicopters Ltd)

RECOMMENDATIONS

That – the Zone Committee receive this update for their information, and with reference to the committee's 5 Year Outcomes 2015-2020.

AGENDA ITEM NO: 5	SUBJECT: Waiau Toa Clarence Predator Control programme – update	
REPORT TO: Kaikōura Water Zone Committee		DATE OF MEETING: 5 June 2019
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura		

PURPOSE

To provide the Kaikōura Water Zone Committee with an update on the predator control programme being undertaken in the Waiau Toa / Clarence River catchment, including the Southern Black-Backed Gull/Karoro strategy.

BY WHO

This briefing is provided by Mike Bell, Wildlife Management International Limited.

BACKGROUND

1) Black Fronted Tern & Black-billed Gull Predator Control

The Kaikōura Water Zone Committee has committed the following Immediate Steps biodiversity funding to predator control in the Waiau toa / Clarence River catchment:

- 2010/11 – 2015/16	
Black-fronted Tern Predator Control – Upper Clarence	\$ 90,000
Clarence/Waiau-toa River Black-Billed Gull Management Project	\$ 22,575
Clarence/Waiau-toa River Black-Billed Gull Management Project (3 yrs)	\$ 58,800
	Total: \$171,375

2) Southern Black-backed Gull Strategy

Southern Black-backed Gull/Karoro (SBBG) numbers have increased significantly following the clearance of native vegetation and the shift to an agricultural economy in New Zealand. SBBG are one of the native species which have adapted well to land use changes. Pasture has provided gulls with more foraging area, and easier access to food. SBBG have also readily adapted to new human derived food sources - especially rubbish tips and offal.

In Canterbury, an estimated 30,000 pairs of SBBG are breeding (so over 60000 individuals), predominately on braided rivers (see attached map, with this data collected during an aerial survey on the region's major braided rivers in 2016). Based on historical accounts prior to land clearance and conversion to agriculture, SBBG will have only nested as single pairs and not formed the super large or abundant colonies we see today.

Research on braided rivers have highlighted that SBBG are a significant predator of braided river dependent birds, many of which only breed on these rivers and have declining populations (i.e. wrybill, black-fronted tern, and kaki/ black stilt). The gulls predate the eggs and chicks of most species found on braided rivers. We have direct evidence (through direct observation or video surveillance) of SBBG predating black-billed gull, black-fronted tern, banded dotterel, and wrybill nests (see figure 1).

Figure 1. Images of Southern Black-backed Gull/Karoro predating braided river bird nests.

A) SBBG carrying off black-billed gull chick, Wairau River Marlborough.



B) SBBG predating BFT nest, Clarence River, Canterbury.



Alignment with the Zone Committee's outcomes

This predator control delivers on the following 5 Year Outcome and milestone of the Kaikōura Water Zone Committee:

Outcome: Appreciate and enhance the unique wilderness and undeveloped character of the Waiau Toa / Clarence River

Milestone

- Increase numbers of threatened bird populations to a healthy thriving population in the Waiau Toa/Clarence River catchment.
- Protection plan in place to safe-guard native fish and plant populations within the Waiau Toa/Clarence River catchment.

RECOMMENDATIONS

That – the zone committee receive this briefing for its information, and with reference to the committee’s five-year outcomes 2015–2020.

AGENDA ITEM NO: 6	SUBJECT: Committee Updates
REPORT TO: Kaikōura Water Zone Committee	DATE OF MEETING: 5 June 2019
REPORT BY: Murray Griffin, CWMS Facilitator – Kaikōura	

PURPOSE

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

COMMITTEE UPDATES

The following updates will be addressed with the committee:

1. CWMS Regional Committee

The last **Regional Committee meeting** was held on Tuesday 9 April. The zone committee's representative, Ted Howard, has provided a summary of this 9 April and 10 May meetings and field visit, as **agenda item 6-1**. The next CWMS Regional Committee meeting is on Tuesday 11 June.

- 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. Kaikōura Zone Delivery Team – update

- Kaikōura Zone Manager, Kevin Heays, will provide a short verbal update on current Zone Delivery priorities for the committee.
- This will include an update on the appointment of a Land Management Advisor for the Kaikōura Water Zone.

3. Mātaitai – update

A check-in on the mātaitai issue discussed at the previous committee meeting, and future communications on this issue will be discussed.

4. 3 Waters Update – Kaikōura District Council

The previous KDC Works and Services committee meeting was held on 29 May 2019, please refer to the following link for this meeting's reports.

Link: <https://www.kaikoura.govt.nz/assets/190529-WS-Agenda.pdf>

The 3 Waters Report from this meeting is as follows:

3 THREE WATERS:

3.1 Water Supply

3.1.1 Boil Water Notice Update (BWN)
Kaikōura Urban

The BWN for Kaikōura Urban Scheme, which went in place as a result of E. Coli detection on 10 March 2019, was lifted on 18 April after receiving the approval of the Canterbury District Health Board (CDHB). The public health drinking water assessor was satisfied with the remedial measures put in place by KDC engineers and, approved the lifting of the BWN after receipt of acceptable water results.

Other Schemes

BWNs are already in place in Fernleigh, Kaikōura Suburban and the East Coast (Clarence) Supply 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 after notification of an E. coli transgression through monitoring tests.

The details around each of these follows.

3.1.1.1 Suburban Kaikōura Water Supply

No change.

3.1.1.2 East Coast Water Supply

No change.

3.1.1.3 Fernleigh Water Supply

Three clear consecutive tests have been received since Christmas. Canterbury DHB has required the BWN to stay in place pending the outcome of an investigation by Downer into the contamination source. It should be noted that this scheme is managed and operated by Downer and Council's role is to monitor the scheme's performance.

3.1.2 Water Safety Plans (WSPs) WSPs are required for each scheme. The status of work for all schemes is as follows:

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

3.1.3 Scheme Performance

Council is working with engineering consultants Stantec to assess water supply wells/bores within Council's network. This is to determine the current water supply and wastewater systems' capability. This work will confirm the adequacy for current demands and, identify future upgrades required to cope with future growth and development. All schemes are performing well with no significant supply issues.

3.2 Wastewater System

3.2.1 Scheme Performance – No issues with the wastewater system.

3.3 Stormwater System

3.3.1 Scheme Performance – No issues.

RECOMMENDATIONS

That – the Zone Committee receive these updates for their information, and with reference to the committee's 2019 work programme and 5 year outcomes.

AGENDA ITEM NO: 6-1 –	SUBJECT: Report on CWMS Regional Committee Meetings – April/May	
REPORT TO: Kaikōura Water Zone Committee		DATE OF MEETING: 5 June 2019
REPORT BY: Ted Howard, CWMS Regional Committee representative – Kaikōura		

Meeting Held 9th April – Tuam Street

The major topic was the **Fit for Future project**, and the effectiveness of the CWMS (Canterbury Water Management Strategy), our roles and responsibilities. Hugh Logan, Hugh Canard and Phil Driver all contributed interesting perspectives on the development and relevance of the CWMS. The process was described as being largely top down in the initial development with much of the intellectual grunt coming from Brian Jenkins and Paul Dalziel.

Dan went through the process used to develop the 2025 and 2030 targets. Discussion around the hybrid nature of this process, part top down, part bottom up, and the need for discussions in the community. Some deep questions around the depth of understanding present in the community, and the real conflicts present in the targets. Peter Scott stressed the need to push on, and the fact that this process is unique in the world right now. Claire stressed that collaboration demands that all parties be at the table. Concern expressed about the lack of focus on lakes and wetlands.

Phil stressed the need to enable outcomes, not just generate reports; and noted the reality that most actions are accomplished by very small numbers of people – it isn't necessarily about getting everyone on board working together at the same thing.

Meeting held 14th May, started at Tuam Street and was followed by a field trip to a dairy farm at Leeston looking at a real process of auditing a Farm Environment Plan.

Hugh Logan reported on outline of changes happening at national level with a review of the National Policy Statements. These will likely emerge for public comment in the coming weeks and should be enacted by the middle of next year.

Discussion of the likely impacts of this on process and outcomes in Canterbury.

Phil Driver did a presentation on PRUB approach to strategic thinking – Projects; Results; Uses; Benefits.

The idea is to create assets and enable the Uses to create Benefits.

Start planning from Benefits and go left (BURP).

Start implementation from left to right (PRUB).

He noted that world wide about 40% of government spending produce orphaned results (that went nowhere).

Vicky noted that CWMS is based in adaptive management.

We were all asked to give our **attention to regional priorities**, and how we could best use the 80 hours a year that we meet.

The major point of the regional committee is to share experiences of the zone committees and learn from one another, and part of that is identifying common issues. We all need to think about that:

What is working well for us?

What is hampering our effectiveness?

Bring your feedback on those two questions to every meeting please.

There followed a field trip initially to the Dunsandel Community Centre where we met with a wider group and got **a briefing on FEP Auditing**, then on to the farm where we heard and saw what happened in practice. Very interesting hearing/seeing how it worked in practice, and noting real changes in behaviour as a result. We also heard some of the perverse outcomes. It is making a difference, question is, is it enough of a difference?
