

**105TH ORDINARY MEETING OF THE
SELWYN-WAIHORA ZONE COMMITTEE
TO BE HELD IN THE BAYLIS LOUNGE
AT LINCOLN EVENTS CENTRE
15 MEIJER DRIVE, LINCOLN
ON TUESDAY 6 APRIL
AT 4.30PM**

"If there is magic on this planet, it is contained in water..."

Loran Eisely, US Author

Selwyn Waihora Water Zone Committee

Declaration of Interests Register – as at January 2020

Keeping a Zone Committee Members' declarations of interest register allows Zone Committees to identify and manage a conflict of interest when it arises.

The Office of the Auditor General notes a conflict of interest can arise when: "A member's or official's duties or responsibilities to a public entity could be affected by some other interest or duty that the member or official may have."¹

If a member is in any doubt as to whether or not they have a conflict of interest, then the Member should seek guidance from Catherine Schache (General Counsel, Environment Canterbury), the Zone Facilitator and/or refer to the following guidance:

<https://www.oag.govt.nz/2010/lamia>

Types of Interest to be documented in the register:

- Employment, trade or profession carried on by the Member or the Member's spouse for profit or gain
- Company, trust, partnership etc for which the Member or their spouse is a director, partner or trustee, or a shareholder of more than 10% shares
- Address of any land in which the Member has a beneficial interest and which is in the area of the Zone Committee
- The address of any land where the landlord is Environment Canterbury or [Name of TLA/s] and:
 - The Member or their spouse is a tenant;Or

the land is tenanted by a firm in which the Member or spouse is a partner, a company of which the Member or spouse is a director, or a Trust of which the Member or spouse is a Trustee.

- Any other matters which the public might reasonably regard as likely to influence the Member's actions during the course of their duties as a Member.
- Any contracts held between the Member or the Member's spouse and Environment Canterbury or [name of TLA/s]. Including contracts in which the Member or their spouse is a partner, a company of which the spouse is a director and/or holds more than 10% in shares, or a Trust of which the Member or their spouse is a trustee (noting that no committee member should be a party to a contract with Environment Canterbury or the relevant TLA if that value is more than \$25,000 per annum)

Zone Committee members need to ensure that the information contained in this register is accurate and complete.

¹ Office of the Auditor General Good Practice Guide – Managing Conflicts of Interest: Guidance for public entities

**Selwyn Waihora Zone Committee
Register of Interest**

Zone Committee Member	Interest(s)
Cr Vicky Southworth ECan	Councillor, Environment Canterbury Regional Council
Cr Anne Galloway CCC	Councillor, Christchurch City Council
Simon Hay	Nothing to declare
Paul Hodgson	<ul style="list-style-type: none"> NZ Salmon Anglers Association Committee member
Cr Nicole Reid SDC	<ul style="list-style-type: none"> Councillor, Selwyn District Council Director of Marcherie Ltd Owner of two properties in Rolleston Assistant Group Leader at Rolleston Scout Group Partner is a Senior Sustainability Engineer with Synlait
Fiona McDonald	<ul style="list-style-type: none"> Board member of Education Outdoors NZ Board member of Recreation Aotearoa Chair: Castle Hill Village Association (a committee of SDC)

Amended 2 September 2020

**Selwyn Waihora Zone Committee
Register of Interest**

Zone Committee Member	Interest(s)
	<ul style="list-style-type: none"> • Lead Auditor for QualWorx • ECAN Central Biosecurity Advisory Group • Castle Hill Village property owner • Self-employed
Annie McLaren	<ul style="list-style-type: none"> • Synlait Milk Ltd Area Manager (Selwyn, Waimakariri and Culverden)
Karaitiana Taiuru	
Benita Wakefield	<ul style="list-style-type: none"> • Wairewa representative and Chair, Banks Peninsula CWMS • Ngai Tahu representative on the Hazardous Substances and New Organisms (HSNO) Board • Ngai Tahu representative on the Aoraki-Canterbury Conservation Board • Wairewa representative for the Ahuriri Lagoon wetlands project • Wairewa representative on the Te Paiherenga Tuia Board, ECAN • Wairewa representative on Nga Papatipu Rūnanga Board, Ngai Tahu.
Les Wanhalla	<ul style="list-style-type: none"> • First and foremost returning good health and mauri O Te Waihora / Lake Ellesmere • Kaitiakitunga ,Archaeology • Whakapapa, genealogy • Rugby league, Life member, honorary south Kiwi. • NO conflict of interests
Mishele Radford	<ul style="list-style-type: none"> • Rūnanga Ngāti Wheke

Amended 2 September 2020

SELWYN WAIHORA ZONE COMMITTEE – Outline of Agenda

TUESDAY 6 April 2021, **Lincoln Events Centre**

TIMETABLE & ORDER OF BUSINESS

Item	Time	Description
	4.30pm	Meeting commences with karakia and formal order of business: <i>Co-chair(s)</i> <ul style="list-style-type: none"> • Apologies • Identification of Urgent General Business • Confirmation of minutes December 2020 • Public contribution • Correspondence
1	4.50pm	Facilitator's Report – For Information and Discussion <i>Miria Goodwin, Environment Canterbury</i>
2	5.05pm	Future Thinking: What does it take to put together a “healthy waterway and catchment partnership” to enable funding bids? – For Discussion <i>Mike Patchett, Water and Wildlife Habitat Trust</i>
3	5.25pm	Selwyn Waihora Zone Committee's 2021-2023 Action Plan – For Decision <i>Fiona McDonald (Co-chair) and Miria Goodwin (Facilitator)</i>
4	6.10pm	Long-term Plans: Councillor Conversations – For Discussion <i>Cr Vicky Southworth (Environment Canterbury)</i> <i>Cr Nicole Reid (Selwyn District Council)</i> <i>Cr Anne Galloway (Christchurch City Council)</i>
	6.25pm	Meeting close <i>Co-Chairs</i>
	6.30-7.00pm	Light Dinner

**MINUTES OF THE 104TH MEETING OF THE SELWYN WAIHORA ZONE COMMITTEE
HELD IN THE LINCOLN EVENT CENTRE ON TUESDAY 1 DECEMBER 2020
COMMENCING AT 1.30PM**

AGENDA SUMMARY

Item	Time	Description	Pages	Presenter
	1.30pm	Meeting commences with karakia and formal order of business: <ul style="list-style-type: none"> • Apologies • Identification of Urgent General Business • Confirmation of minutes 3 November 2020 • Correspondence 		
	1.45pm	Public Contribution		
1.	1.50pm	<i>For engagement</i> – Boat Creek Project		Hamish Jones & Mike Patchett
2.	2.20pm	<i>For discussion</i> – Council Long Term Plans		Selwyn District Council Christchurch City Council Environment Canterbury
3.	3.00pm	<i>For discussion</i> – Facilitators Report		Miria Goodwin – Environment Canterbury
	3.20pm	Zone Committee Action list, meeting Wrap-up and close		Co-chair Fiona McDonald
		Afternoon tea break		
	3.45pm – 4.45pm	Committee-only session		
	4.45pm	Approximate finish time		

PRESENT

Dr Benita Wakefield (Te Rūnanga o Waiarewa); Annie McLaren (Community Member); Fiona McDonald (Community Member / Co-Chair); Councillor Nicole Reid (Selwyn District Council); Councillor Anne Galloway (Christchurch City Council); Councillor Vicky Southworth (Environment Canterbury Regional Council); Ron Pellow (Community Member), Allen Lim (Community Member)

IN ATTENDANCE

Miria Goodwin, Tami Woods, Dr T Davie, Andrew Livingston, Stephen Bragg, Sylvia McAslan (Environment Canterbury Regional Council); Councillor Murray Lemon, Andy

Spanton and Therese Davel (Selwyn District Council); John Benn (Department of Conservation); Mike Patchett (Water and Wildlife Habitat Trust); Hamish Jones (Boat Creek Project); Melissa Robson-Williams (Manaaki Whenua); and Xiaoyu Sun and Hayden Zervos (Lincoln University), Pat McEvedy (a former Zone Committee Chair)

Stephen Bragg opened the meeting with karakia.

The meeting started off by thanking outgoing members Ron Pellow and Allen Lim for their time and commitment on the Committee.

Comments made around the room include:

Fiona McDonald thanked Ron and Allen for sharing their knowledge and patience. Fiona said that going forward, the committee will miss their wisdom, contribution, passion and energy that they have put into this Committee.

Pat McEvedy said that both Ron and Allen were highly respected in their own fields and thanked them for their time. Tami Woods said when she started as planning advisor it was clear from early on that Ron was able to help understand the efforts of industry groups. Allen continued to try and explain what was going on at a very practical level and also helped in her understanding. Miria Goodwin reiterated this sentiment, noting they both helped ECan and the zone committee to understand some very technical issues.

Dr Tim Davie noted that it was clear they both worked with the whole of the committee and were really organised, showing leadership.

Councillor Southworth said she hoped to see them at some of the Zone Committee events being planned for the next year.

Paul Hodgson said that while his views might not have changed over the years, his understanding of what sits behind the work has, and it was clear that the sense of leadership shown by Allen and Ron had moved the Zone Committee forward with some credibility. He said he had confidence that the committee was doing the right things.

Dr Wakefield said she was aware of the tremendous amount of work they have all put into the relationship over the years. She said that Allen had a way of mediating a really good process and that Ron's wisdom will stay with her, noting he was measured in what he said.

Stephen Bragg said that he wished to thank Ron and Allen, especially on behalf of those who are no longer with us. He said his life had been enriched by coming to work at ECan and work with the zone committee.

Ron Pellow then spoke saying it had been an honour to serve with the Zone Committee. He showed a photo taken in a community in Africa, depicting their joy at getting fresh water. He said that was the essence of why he joined, in that fresh water was so fundamental to everyone's lives and it was easy to take it for granted. Ron said the Committee has come a long way but that there was a long way still to go.

Allen Lim then spoke and said he wanted to thank Pat McEvedy for his support and encouragement especially when he first became chair. Allen said it wasn't something that

would have thought of doing necessarily but that he had met a great many people throughout the process. He said in the seven years some of the meetings were fairly intense. He said he used to look forward to coming to the meetings all the time and one of his philosophies was to step back at a point to allow for new talent to come through. He said he would miss the Committee and that he still had unfinished ideas.

Fiona McDonald also thanked Miria Goodwin (Zone facilitator) and Therese Davel (Committee Secretary) for their hard work through the year.

APOLOGIES

Allen Lim (Community member, *for the formal part of the meeting*), Les Wanhalla (Te Rūnanga o Taumutu / Co-Chair); Simon Hay (Community member) and Mishele Radford (Te Hapū o Ngāti Wheke)

Moved – Paul Hodgson / **Seconded** – Councillor Vicky Southworth

‘That the Selwyn Waihora Zone Committee receives the apologies for information.’

CARRIED

IDENTIFICATION OF URGENT GENERAL BUSINESS

None

CONFIRMATION OF MINUTES

Minutes of the 103rd Meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 3 November 2020

Moved – Annie McLaren / **Seconded** – Ron Pellow

‘That the minutes of the 103rd meeting of the Selwyn Waihora Zone Committee (Water Management) held on Tuesday 3 November 2020, be confirmed as circulated.’

CARRIED

CORRESPONDENCE

None.

PUBLIC CONTRIBUTION

None.

REPORTS

1. For engagement – Boat Creek Project

Hamish Jones and Mike Patchett presented on the Boat Creek Project. Hamish said he was part of a small resident community group on the North side of the Rakaia where the project is based. He said while there is very clear and clean water they want to continue to do what they can to further enhance the quality of the water. He said it was also a spawning area for eels, both long and short fin, also for white bait, trout and salmon. Hamish said there had been a couple of challenges regarding what plants to put in there as it's become overgrown with poplars and willows. The community would like to see this improve and also see the creation of a recreational track in the area.

Hamish said they have a vision and plan for two stages – the first being planting in the old camping ground, very much community led with lots of volunteer input. Stage two is being worked on with Mike Pratchett of the Water and Wildlife Habitat Trust. Hamish said they needed to be very conscious of how the soil was disturbed as much of the area is covered by wahi tapu, and they are working with Te Taumutu rūnanga on this

Mike Patchett said it was a very precious area on public / DOC land and was a good investment. There had been a number of plants that have died although some died due to drought and sudden and unexpected frosts. Funding comes from a variety of organisations and people and donated equipment and material. The water and wildlife trust will administer the money received from the Rakaia Catchment Environmental Enhancement Fund for the community.

Some of the benefits of the project include:

- Improved water quality
- Coastal native area
- Foreshore protection & Flood prevention
- Cultural preservation
- Visual enhancement
- Increased fishing opportunities
- Recreational walking
- Environmental, cultural and historical education

Moved - Paul Hodgson / **Seconded** – Councillor Vicky Southworth

‘That the Selwyn Waihora Zone Committee support Boat Creek as a priority area.’

CARRIED

2. For discussion – Council Long Term Plans

Councillor Galloway said there was no change since the last time she presented. She added there was a Christchurch City Council report on the CCC priorities that she will share with the committee.

Councillor Reid said that Selwyn District Council was not as far advanced with their priorities yet due to the focus on 3 Waters recently. There will be opportunity early 2021 to share Selwyn District Council's priorities with ECan and the committee.

3. For discussion – Facilitators Report

The Facilitator's report was briefly discussed with some discussion on whether the zone committee would like to seek a youth member to be part of the Committee. Zone committee members wondered whether the final new Terms of Reference could include two youth reps. Members were in agreement that any youth member needs careful mentoring and support. Dr Wakefield suggested that there be a pathway developed with and for any youth member and touched on ECan's internship.

The Committee agreed to discuss this further in February.

The Facilitator noted that the Committee will not meet in January, with the February meeting a joint one with two other zone committees i.e. Christchurch West Melton and Banks Peninsula. In February it is also envisaged the Committee will have a committee planning session.

Councillor Anne Galloway left at 3.27pm.

Councillor Southworth asked whether Swimmable Selwyn should remain part of the committee's annual report. ECan staff will look into that possibility and report back to the Committee.

4. Zone Committee Action list, meeting Wrap-up and close

Fiona McDonald wished everyone a good end-of-year break and closed the meeting at 5.17pm.

A workshop followed the meeting, focused on the Waikirikiri, where the committee noted that:

1. The Zone Committee see their role in the Waikirikiri as:
 - a. 'Facilitating' other groups to do good work along the Waikirikiri – to help reach the goal of 'A Healthy Waikirikiri'
 - b. Hosting community engagement on all the work/progress/what is happening
 - c. Bringing groups together – sharing and learning, including best practice updates - planting, sourcing funding etc
2. The Zone Committee would fully support a 'Swimmable Selwyn at Coes Ford catchment working group/governance group' being set up, and will leave it to the existing group to work out what that group looks like/who is on it. Zone Committee Support could be:
 - i. A Zone Committee member joining that future working group
 - ii. Helping to host/front public meetings
 - iii. Writing letters of support for funding applications
 - iv. Connecting specific zone committee reps to specific projects underway
 - v. Supporting specific projects and helping summarise as a 'model' for other areas
 - vi. Recommending any IMS projects that relate to this work
3. The Zone Committee has a list of practical ideas of their own that relate to the whole Waikirikiri, and will be focusing on some of these in their 2021-2023 Action Plan.

Stephen Bragg ended the meeting with karakia.

DATED this day of 2020

CO-CHAIR LES WANHALLA

CO-CHAIR FIONA MCDONALD

AGENDA ITEM NO: 1	SUBJECT MATTER: Zone Facilitator's Report
REPORT BY: Miria Goodwin, Environment Canterbury	DATE OF MEETING: 6 April 2021

Purpose:

To provide the committee with updates including events and committee work underway, and to seek committee direction on future actions

Recommendation:

That the Zone Committee receives these updates for its information, and provides a perspective on the discussion points

Topics covered:

1. Upcoming events
2. Summary of recent committee workshops and events

1. Upcoming events

DATE	EVENT
April-May 2021	Zone Committee Refresh Process for community and youth members will open on 12 April and close on 10 May 2021. Workshops with appointment panels and applicants will be 17-28 May 2021. Advertising will begin on 12 April 2021. Discussion point: What skills, areas of expertise, demographic, background etc are needed on the zone committee?
4 May – 2-5pm 3 August – 2-5pm 5 October – 2-5pm [Ngāti Moki Marae]	2021 Committee Public Meeting Dates (Unless changed after committee refresh)
5 May Darfield Library 1pm – 4pm 18 May Leeston Library 1pm – 4pm	Environment Canterbury Zone Team Community Drop-in Sessions Two special zone committee-hosted events have been arranged at the drop-in sessions to help raise awareness about drinking-water for those on private supplies. (See further information below) Discussion point: Which committee members are available to attend/host these on what dates and times?
12 May 11 August 8 December	Presentation of 2 nd , 3 rd and 4 th quarterly reports to Selwyn District Council
7 July 2021 8 December 2021	Presentation of 2 nd and 3 rd reports to Christchurch City Council
11 June 10 September	Te Waihora Co-Governors public meetings

2. Summary of recent committee workshops, meetings, and events

Draft Committee Action Plan

The Zone Committee met for a committee workshop on 9 February. The discussion centred on the draft Action Plan they received before Christmas, with wording changes recommended by the committee. Paul Hodgson has provided more feedback by e-mail. The committee will formally sign off and begin implementing the Action Plan in the first half of 2021.

Joint CWMS meeting

The committee met with members of the Christchurch West Melton and Banks Peninsula Zone Committees on 25 February. The agenda included discussion on the CWMS review and new purpose and functions of zone committees, Te Mana o Te Wai and the Government's Essential Freshwater Package, and Environment Canterbury's data project.

Whakakōhanga Kōrero Group

Les Wanhalla, Fiona McDonald and Miria Goodwin represented the Zone Committee at the Whakakohanga Kōrero Group's first meeting on 5 March. This is a group of organisations invited by the Te Waihora Co-Governance group to come together and discuss their work. The group are starting to build a digital map of projects and working through a process of mapping the current actions of a range of organisations against the Well-being capitals. The co-chairs will remain involved to support the conversations and make links with the different work around the zone. The Zone Facilitator has requested time at the Co-Governance public meeting in June for the zone committee to discuss your Action Plan with Co-Governors and seek support for any specific actions. These are actions in the draft Action Plan:

Priority:	Action:	Measures:
We will support actions to restore Te Waihora to a Healthy State	We will actively support and engage with Te Waihora Co-Governors to achieve outcomes for a healthy Te Waihora	<ul style="list-style-type: none"> • Attended and contributed to Te Waihora Co-Governance public meetings and Whakakōhanga Kōrero Group meetings • Advocated for and contributed to a map of all projects in Te Waihora Catchment by December 2021
We will facilitate a community wide approach to restore the Waikirikiri / Selwyn River back to a healthy state	We will seek support in the form of a partnership from Te Waihora Co-Governors , CCC, SDC, ECan, Te Rūnanga o Taumutu to help us restore the Waikirikiri/Selwyn River back to a healthy state and we will and actively seek resources and practical projects to achieve this outcome	<ul style="list-style-type: none"> • Identified and formally requested specific actions/locations for councils/agencies to prioritise Waikirikiri by June 2022 • Confirmed financial or in-kind support from appropriate agencies by June 2022 • Attended and contributed to relevant community/partner meetings

Presenting the Committee's 2020 Annual Report to Selwyn District Council, Christchurch City Council and Environment Canterbury

Les Wanhalla has now presented and discussed the 2020 Annual Report and a general update to all three councils. Discussion points have included:

2020 Summary

- We did a lot of community engagement and talking to the community about their concerns
- We used this information to draft our new Action Plan for the next three years
- The activities we did last year fit well with the changes to our Terms of Reference:
 - We hosted several public meetings that celebrated and supported community members doing great work – and also gave them the opportunity to tell us what else they need
 - We reported to CCC four times, and will now be doing this for ECan and Selwyn District Council too
 - We attended important project opening events in our zone – to show our support and keep encouraging these practical projects
 - We recommended over \$100,000 for ECan's Biodiversity Funding across our zone
 - We also farewelled two longstanding members, and we are waiting for the 'refresh' process to get some new members

2021 update:

The Selwyn Waihora Zone Committee is nearly finished drafting our new Action Plan

- We think our 5 priorities are well aligned with the suggested priorities the three councils.
- In our Action Plan, we commit to:
 - Facilitate a community wide approach to restoring the Waikirikiri/Selwyn River back to a healthy state
 - Facilitate actions to achieve catchment nutrient targets
 - Enhance mahinga kai, biodiversity and recreation opportunities
 - Support actions to restore Te Waihora to a healthy state
 - Help raise awareness about private drinking water supplies quality and risk
- Our actions involve words like
 - Assist with
 - Investigate
 - Attend or host
 - Contribute to
 - Promote
 - Send a representative to
 - Recommend
 - Send letters to
 - Develop advice on
 - Seek support
- Thanking the Councils for on-going support for our committee and requesting continued conversations with the committee about our future role in these times of change.

CWMS Committee Review

Regional Committee

The CWMS Regional Committee meeting scheduled for 16 February was postponed and a rescheduled date is yet to be advised. The Regional Committee is in a period of transition with Environment Canterbury undertaking a review of the Terms of Reference.

Zone Committee review

All three Councils (Selwyn District Council, Christchurch City Council and Environment Canterbury) have agreed their priorities for the Zone Committee and agreed or made minor amendments to the Terms of Reference. Environment Canterbury is finalising the paperwork in collaboration with the Territorial Authorities.

Waikirikiri/Selwyn River projects brief update

The Environment Canterbury Zone Team are continuing their work with landowners in the Silverstream Catchment. They are currently working with two external scientists along with landowners on a prototype, to try to understand how E.coli is getting into the waterways.

The aim of this work is to trial methodology and recording systems before a larger pilot carried out by Environment Canterbury Science next financial year.

The prototype is part way through and we're learning as we go. On completion of the prototype we hope to have information to inform next year's pilot. The team will provide an update once the prototype is completed and the results collated, likely early in the next financial year.

Fiona McDonald attended a working group meeting for the proposed wetland above Coes Ford. This work is progressing with scope for design work underway soon. Fiona will keep the committee updated on this project.

Kirwee South Island Agricultural Field-days: Drinking Water topic

Les Wanhalla and Cr Vicky Southworth (with visits from Cr Nicole Reid and Annie McLaren who were on the SDC and Synlait stalls) attended the field-days on 24-26 March, hosted by the Environment Canterbury stall. The purpose was to initiate conversations with those on private water supplies – finding how if they know they need to test their drinking water regularly, what the issues might be, and how to go about doing this. The attached fliers were handed out to help the conversation, along with some stormwater superhero doggy-do bags.

Vicky and Les found that lots of people were on private wells, the info leaflet was well received and several asked if we could have nitrate testing drop in events in other areas - the show attracts people from all over Canterbury. Vicky was asked a technical question about what is needed to remove nitrates from drinking-water and we aim to provide some advice on this at the community drop ins.

This is an action in the draft Action Plan:

Priority:	Action:	Measures:
We will help raise awareness about private drinking water supplies quality and risks	We will work with agencies and communities to develop information and events to help raise awareness	<ul style="list-style-type: none">• Requested and assisted with consolidation of information to raise awareness about private drinking water supplies by July 2021• Attended/hosted at least one public event/year to raise awareness about water quality in private drinking water supplies and wider water quality trends including nitrates• Investigated opportunities for accessible community screening by mid-2021

Next steps:

- Facilitator to arrange a meeting for some committee members and staff from Environment Canterbury and Selwyn District Council to ensure that the zone committee are prepared for an awareness raising campaign
- Two community drop-in sessions are arranged (in Darfield and Leeston) for May. See attached brochure for more details.

Rakaia Catchment Environmental Enhancement Fund (RCEEF)

Simon Hay is the Committee's rep on RCEEF which met recently on 19 March. Congratulations to Simon who was made the new chair of the group (he had been interim chair). At the March meeting RCEEF approved funding in principal for the one application they had received (a BRaid seminar in July 2021). The group also welcomed a new committee member from the Ashburton zone and the new Trustpower staff taking over the running of the committee.

This is an action in the Draft Action Plan:

Priority:	Action:	Measures:
We will enhance mahinga kai, biodiversity and recreation opportunities	We will support and encourage all those undertaking biodiversity and recreation projects in our zone	Zone Committee rep on RCEEF

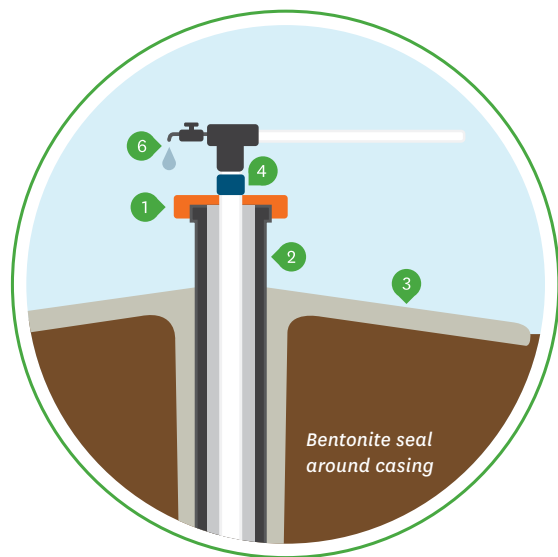
Community Water Partnership

Fiona McDonald and Paul Hodgson attended the launch of the Community Waterways Partnership. You can read more about this event [here](https://newsline.ccc.govt.nz/news/story/charter-aims-to-restore-mana-of-christchurchs-waterways). Fiona and Paul will provide an update to the committee on this, noting it is part of the Christchurch City Council's priorities for the zone committee.

<https://newsline.ccc.govt.nz/news/story/charter-aims-to-restore-mana-of-christchurchs-waterways>

<https://www.ecan.govt.nz/get-involved/news-and-events/zone-news/christchurch-west-melton/coming-together-to-improve-christchurchs-urban-waterways/>

For a secure well head, follow these steps below:



> STEP 1

1 Well cap

Install a secure well cap and seal between the casing and any hoses or cables going down the well.

> STEP 2

2 Well casing

Ensure the well casing is elevated at least half a metre above the ground surface.

> STEP 3

3 Concrete apron

Seal between the well casing and the surrounding ground with a concrete apron. If you're drilling a new well, install a bentonite seal around the casing.

> STEP 4

4 Backflow preventer

Install a back-flow preventer to stop contaminants siphoning back into your well.

> STEP 5

5 Area around well

Keep the area around the well head clear of animals, pesticides, fertilisers, compost and rubbish.

> STEP 6

6 Sample point

Have your groundwater supply tested if you suspect a problem with the water quality.

Test your water

Testing can be as easy as turning on the tap, taking a sample and sending it to a laboratory for analysis.

You should test your water supply for E. coli at least four times per year, as well as annually for nitrate. Use a clean container and send your sample to a laboratory for analysis.

Ministry of Health approved laboratories that can test for E. Coli and nitrate:

- Citilabs
- Eurofins
- Hills Chemistry

Need more information?

To find out more
www.health.govt.nz/water
www.cph.co.nz
www.ecan.govt.nz/drinkingwater
 or visit your local council's website



Do you get your household water from a private well?

If you do, it's up to you to check the water is safe to use.

Testing your water

There is potential for a range of contaminants to reach groundwater. Testing for these is important because drinking contaminated water can have serious health consequences.



BACTERIA AND VIRUSES

Source: Primarily faecal material from grazing animals or septic systems; or from farm effluent spread on the land

Recommended testing regime: Quarterly (following rainfall where possible)



NITRATES

Source: Farming activities, wastewater disposal and landfills

Recommended testing regime: Annually (during Spring, when nitrate levels tend to be higher)



HEAVY METALS AND ORGANIC CHEMICALS

Source: (Heavy metals - cadmium, lead, arsenic etc) Sheep dips and pesticides in some farming and horticulture activities (arsenic can occur naturally in some areas)

Source: (Organic chemicals - including petroleum compounds, solvents and other chemicals) Engine and machinery shops, other industries and landfills

Recommended testing regime: One-off test for a full range of heavy metals and organic chemicals (more expensive than other testing regimes but only needs to be done once)

Water testing is not the only thing you need to do to protect your drinking water

Where a well emerges from the ground is known as the well head. It is very important that this area is protected to prevent bacteria and chemicals getting inside the well and contaminating the water.

The diagram on the overleaf illustrates a best case example of a secure well head. If your well head arrangement does not look like this and water testing detects contaminants, you should seek advice on how you might alter or replace your well head to prevent bacteria and chemicals passing through the well head and into your water supply.

Purchasing a property

If you are purchasing a property it is up to you to determine whether it has public water supply or its own private well. It is your responsibility to ensure you've got access to a clean supply of drinking water.

Previous land use

If you have a private well you should investigate what previous activities on the land might have had an influence on your well. Sheep dipping or horticultural spraying might have caused chemicals to leach into the soil and ground water. These can be harmful to your health so it is a good idea to have your well tested before you use its water.



Q & A

How is testing done?

Generally this is a straight forward procedure. Contact a water research laboratory and they will provide you with everything you need to collect a sample. Once you have got a sample return it to the laboratory for analysis.

How are samples collected?

In most cases, samples can be taken from a kitchen tap.

Who pays for testing?

Testing private wells for contamination is the responsibility of property owners.

If a well is found to be contaminated - what then?

Environment Canterbury can put you in touch with the appropriate agencies.

Where can more information be found?

Contact Environment Canterbury on 0800 324 636 (0800 EC INFO).

Private water supply nitrate testing

The Selwyn Waihora Zone Committee is offering free nitrate testing of private domestic water supplies, to raise awareness about the importance of regularly testing your private drinking water source.

Testing will be held at Environment Canterbury's regular drop-in sessions during May:

- **Wednesday 5 May, 1-4 pm,**
Darfield Library
- **Tuesday 18 May, 1-4 pm,**
Leeston Library

Please bring at least 500 ml of your tap water in a clean bottle rinsed with tap water, not detergent. Your water sample will be tested for nitrate using a TriOS optical nitrate sensor.

Environment Canterbury staff will be available to provide further advice on testing and protecting your drinking water source.

E21/8436

AGENDA ITEM NO: 3	SUBJECT MATTER: 2021-23 Action Plan
REPORT BY: Miria Goodwin, Environment Canterbury	DATE OF MEETING: 6 April 2021

Purpose:

To discuss the draft Action Plan 2021-23 and agree to finalise it or agree clear next steps

Recommendation:

That the Zone Committee:

- Considers the key questions listed at the end of this paper prior to the meeting
- Recommends any further specific changes to the Action Plan
- Finalises the Action Plan, or agrees clear next steps

Background:

In 2021, each CWMS Zone Committee has been asked to develop a 3 Year Action Plan.

The Action Plan needs to:

- Help the committee implement their new purpose and functions:
 - Purpose: To uphold the mana of freshwater bodies within their zone by facilitating enduring land and water management solutions that give effect to the Canterbury Water Management vision, principles, and targets in their zone
 - Functions:
 - Facilitate community engagement and collaboration
 - Facilitate the provision of advice through to councils and others contributing to freshwater management
 - Enhance delivery capability and coalition of the willing
 - Provide progress reports
- Focus on what the committee will do, not what other councils or organisations will do
- Work within the Terms of Reference, CWMS and CWMS Targets
- Be guided by the Council's Letters of Shared Priorities for Zone Committees (provided every 3 years – wording attached)
- Be guided by Iwi Management Plans, Zone Implementation plans, Addendums and community engagement and feedback

The process:

- The Action Plan will be prepared for three-year periods and be a living document that is easily updated
- They will be a simple and easy to understand 1-2 pager with a separate document tracking progress of actions
- Committees will report annually on progress

Attachments:

- The draft Action Plan 2021-23
- Priorities for the Committee from the three Councils

Council Letters of Priorities for Zone Committees 2021-23 (provided every 3 years)

Christchurch City Council	Selwyn District Council	Environment Canterbury
<p>Public awareness and engagement</p> <p>In particular to:</p> <ul style="list-style-type: none"> i. model manaakitanga (caring and respect) for the waters in the zone; ii. promote takohanga (commitment) and kaitiakitanga (stewardship) of the freshwaters in the zone. <p>Through:</p> <ul style="list-style-type: none"> I. supporting implementation of Te Wai Ora o Tāne Integrated Water Strategy, in particular Objective 1 Awareness and Engagement, such as leading or sponsoring water forums and supporting City Council initiatives to give effect to Te Mana o Te Wai; II. advocacy of and support for the Community Water Partnership, including connections with members' community and professional networks; III. supporting erosion and sediment control workshops for construction industry and developers. 	<p>In supporting the need to meet CWMS 2025 targets, Selwyn District acknowledges the need to provide for viable communities and the overall social, economic, environmental and cultural wellbeing for the district and notes that all zone activities need to be aligned with those wellbeings.</p>	<p>Kaitiakitanga Wāhi Toanga and mahinga kai Targets Working alongside landowners, Rūnanga, communities, Councils and others to inspire and grow support and resources to achieve the 2025 mahinga kai goal of five mahinga kai projects in each zone.</p> <p>Ecosystem Health and Biodiversity Targets Working alongside landowners, Rūnanga, communities, Councils and others to inspire and grow support and resources to achieve the 2025 target goal covering all freshwater ecosystems through;</p> <ul style="list-style-type: none"> i. increased riparian management to protect aquatic ecosystems; ii. reducing the number of fish barriers in the zone iii. protection and enhancement of named wetlands <p>Recreation and Amenity Targets Water based recreational opportunity through working alongside landowners, Rūnanga, communities, Councils and others to support and grow resources to achieve the 2025 target to restore priority freshwater recreation opportunities in each zone, that do not meet contact recreation standards and developing plans and actions to achieve and show measurable progress.</p>

Key questions to consider in advance of the meeting:

1. Are the priorities and actions in the draft Action Plan well aligned with (and will enable you to achieve) your purpose and functions, the priorities from Councils, your discussions with the community, and with the CWMS and CWMS Targets overall? If not, what is missing or needs changing?
2. Are the actions, measures, and dates do-able by the committee within the dates listed? If not, what specific changes do you recommend? What could you do later if its too much to do in the first year?
3. Are any further wording changes needed prior to a polished and published version being produced? What specific changes do you recommend?
4. Are the SMART measures listed are adequate? If not, what specific changes do you recommend?
5. Is the draft Action Plan ready to be finalised? If not, what specific changes and processes do you recommend and agree on?

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
We will help raise awareness about private drinking water supplies quality and risks	We will work with agencies and communities to develop information and events to help raise awareness	Requested and assisted with consolidation of information to raise awareness about private drinking water supplies by July 2021 Paul suggestion: produce a flyer to highlight what the issues are and what people should do	Request and assist with specific task	Request made, information produced	Request achievable outcome uncertain but likely	Yes	July 2021
		Attended/hosted at least one public event/year to raise awareness about water quality in private drinking water supplies and wider water quality trends including nitrates Paul suggestion: Have dedicated meeting to discuss what the water quality issues are in the aquifers and rivers, what is predicted to happen in the future and how the zone is tracking against predicted outcomes	An event with specific aim	Event attended or hosted	Yes	Yes, lines up with TOR	At least one/year
		Investigated opportunities for accessible community screening by mid-2021 Paul suggestion: Set up and publicise a dropin session where members of the public can bring water in for testing NO3, P, Ecoli etc	Committee investigates	Yes, through recorded meeting notes	Investigation achievable, outcome uncertain	Yes, relevant to investigate the option as community have requested it	Mid 2021
		Improved awareness following communication strategy and implementation	Specific outcome - improved awareness	Uncertain - how would you tell?	yes, improving awareness is aim of campaign	yes, part of TOR	After the campaign's implementation

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
We will support actions to restore Te Waihora to a healthy state	We will actively support and engage with Te Waihora Co-Governors to achieve outcomes for a healthy Te Waihora	Attended and contributed to Te Waihora Co-Governance public meetings and Whakakōhanga Kōrero Group meetings Paul suggestion: attend x co-governance meetings annually and separate one: attend x Whakakōhanga kōrero group meeting annually	Attend and contribute to two types of meetings	Yes, meeting records	yes, already started	yes, clear way to support co-govs	Ongoing. Do you need a specific number e.g. x meetings annually
		Advocated for and contributed to a map of all projects in Te Waihora Catchment by December 2021	Advocate and contribute	Yes, meeting records and output - a map	advocating is achievable, outcome already part of new group Whakakohanga korero	Yes, long-standing committee request	December 2021
		Assisted Te Waihora Co-Governance with any community engagement and communications requested	Assist	Yes, meeting and committee records	Yes if requests are appropriately sized for committee	yes, clear way to support co-govs	ongoing
		Request and complete regular reporting to/engagement with Te Waihora Co-Governors	Request and complete	Yes, meeting and committee records	yes, co-chairs already invited to public co-gov meetings	Yes, clear way to interact with co-govs	ongoing and regular

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
We will facilitate actions to achieve catchment nutrient targets	We will ensure the community is kept informed of progress and challenges with meeting nutrient limits	Identified and suggested at least 1 role model farmer/year to be promoted through ECan comms channels	identify and suggest a specific person	Comms article exists	Yes, with good communication with comms person	Yes, part of role - community engagement	1 per year (at least)
		Requested and received at least 2 updates/year on progress with meeting the PC1 modelled nitrogen load, current rules and consent to farm	Request made and update received	Request recorded and update visible in meeting records	Yes	Yes, will help with all aspects of role	Need a number - 2 per year?
		Hosted at least 1 meeting per year for the community on progress and challenges with meeting nutrient limits	Host a meeting on specific topic	Yes, meeting records	Yes	Yes, part of role - community engagement	at least 1 per year
		Hosted a session to understand what happens in an FEP audit [For zone committee? For community? Once within 3 years? Def in 2021?]	Host a session on specific topic	Yes, meeting records	Yes	? Need to know reason for it...	Which year?
		Attend and support at least 3 ECan farm advisory drop-ins per year	Attend drop-ins	Yes, meeting records	Yes, if zone team send notice of the drop-ins	Yes, good for committee to understand key issues and to support zone staff	3 per year
	We will support and encourage catchment groups, irrigation schemes and landowners in	Supported CPW by hosting/attending at least 1 community engagement event per year that involves CPW	hosting attending a specific engagement event	Yes, meeting records	Yes	Yes, key group in zone that community are interested in knowing about	1 per year

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
	our zone to achieve best practice	Communicated with at least 3 rural change agents/year	communicated with - is that specific enough?	Yes, meeting records	Yes	Yes, key group to help committee with this priority	at least 3/year
	We will support landowner work in the Waikirikiri/Selwyn through the Swimmable Selwyn at Coes Ford Project [See actions under our Waikirikiri/ Selwyn River priority]						
We will enhance mahinga kai, biodiversity and recreation opportunities	We will improve zone committee and community knowledge of mahinga kai and enhance mahinga kai opportunities	Hosted/attended at least 1 committee/public information session on mahinga kai/year Paul suggestion: workshop to upskill zone committee on mahinga kai principals Paul suggestion: host 1 community event each year	hosted or attended at least one session	yes, meeting records	Yes, unless unforeseen circumstances e.g. covid-19 levels	Yes, in line with TOR	at least one per year
		'Prompt questions' developed and used to ensure mahinga kai is built into all decision making/ projects by December 2022	Prompt questions developed and used	Yes, meeting records	Yes, BPZC has started this so could collaborate	Yes, in line with TOR	December 2022
		5 projects with mahinga kai aspects were named and scoped or underway in the zone by December 2021 Paul suggestion: committee assess suggested projects and develop a plan to implement (at least 2 projects) List from Les: Te Waihora, Ararira LII, Muriwai, Kaitorete, Ahuriri Lagoon	5 projects with specific aspects named and scoped or underway	yes	Yes, likely already done but needs listing	yes, ECan priority requested of ZC	December 2021
		One meeting/year held with Taumutu kaitiakitanga portfolio group to discuss priorities, projects and progress Paul suggestion: Ask rūnanga what projects can be completed to improve mahinga kai in the zone and present to the zone committee with the recommendations	A meeting held with specific aim	yes, meeting records	Yes if Taumutu group have time/agree	yes, ECan priority requested of ZC	one meeting a year
		Used at least 1 method/year to support rūnanga and agencies to implement specific mahinga kai projects * e.g. support funding bid, attend project events, write support letters	Use a method to support project implementation	Yes, meeting records	Yes	Yes, in line with TOR and ECan's priorities for committee	At least 1 method per year

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		Recommended selection of specific mahinga kai species for IMS or other project at least once/year	Recommend specific species	Yes, meeting and biodiversity officer records	Yes	Yes, in line with ECan's priorities for committee	Recommendation make at least once a year
	We will support and encourage all those undertaking biodiversity and recreation projects in our zone	At least 1 biodiversity-focused celebration hosted in zone/year; Paul suggestion: identify at least one measurable biodiversity outcome and celebrate	a specific celebration	yes, meeting records	yes	Yes, in line with TOR	at least one per year
		Opportunities for planting days promoted by zone committee; Paul wording suggestion: publicise and support plant out days	committees promote	yes, if members tell facilitator how they promoted	yes	yes, in line with TOR	ongoing
		At least 2 Te Ara Kakariki Plantout Days or other community planting days attended by zone committee/year	specific event attended	Yes, meeting records/facilitator or notes	yes, given past attendance	yes, in line with TOR	at least two per year
		2021 Rakaia Field-trip co-hosted with Ashburton Zone Committee with biodiversity/recreation focus;	Field-trip takes place	yes, facilitator records	Uncertain but both committees have on action plan	yes, in line with TOR	2021
		Zone Committee representative on RCEEf;	a rep on a specific group	yes, meeting records	yes, already done	yes, ongoing aspect of SWZC	ongoing
		IMS Funds recommended to full allocation each financial year with committee agreement on proportion of funds allocated to specific priorities Paul suggestion: continue IMS funding with a focus on public access and recreational activity. Tricky part to this is access and recreation are not currently part of the IMS criteria ECan staff use - it's about biodiversity first and foremost	Funds recommended to full allocation and committee agreement	yes, LAMA/facilitator records and meeting notes	Yes given past history	yes, a key task for committees	each financial year
		Request ECan/DoC for briefings on progress with a) the identification of fish passage issues in the zone, b) improved guidelines and c) ECan's prioritised approach to improving intake design	Request briefings	Yes, request made and delivered	Yes, especially the request	Yes, in line with ECan's priorities for committee	Dec 2021

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	Paul suggestion: A recreation action We will develop resources to assess and progress opportunities to enhance water related recreation activities in our zone	Paul suggestions: Developed a set of key principles to enhance recreational activity in the zone and within IMS funding by December 2022 <i>Note currently IMS can't be used for this – suggest delete 'and within IMS funding' part</i>	Principles developed	Yes	Yes	Yes	By December 2022
		Developed a questionnaire to assess the quality of existing recreational opportunities and any new potential recreational activities in the zone by December 2023	Questionnaire developed	Yes	Yes especially if help found	Yes	By December 2023
		Assessed the impact of 4WD in the zone and if regulations are required to ensure that existing activities are not degraded	Assessment made – <i>could choose a specific river</i>	Yes, meeting records	Yes especially if help requested	Yes, working group was concerned about this	By December 2023
		Assessed the extent of dumping rubbish in the zone, rivers, lakes and streams and propose a plan to reduce	Assessment made – <i>could choose a specific spot first</i>	Yes, meeting records	Yes if help found	Yes, working group was concerned about this	By December 2023
We will facilitate a community wide approach to restore the Waikirikiri / Selwyn River back to a healthy state	We will seek support <i>in the form of a partnership</i> from Te Waihora Co-Governors, CCC, SDC, ECan, Te Rūnanga o Taumutu to help us restore the Waikirikiri/ <i>Selwyn River</i> back to a healthy state and we will and actively seek	Identified and formally requested specific actions/locations for councils/agencies to prioritise Waikirikiri by June 2022 Paul: Determine what the priorities are to restore to a healthy state	identify and request specific actions and locations	Meeting records of specific actions and locations identified, meeting records of decisions/outcomes	Yes, identifying and requesting is ZC job	Yes if need support for prioritising this river	<i>June 2022</i>
		Confirmed financial or in-kind support from appropriate agencies by June 2022	Financial or in-kind support. Might pay to name agencies	Meeting records of agency names and outcome	Making a request is achievable, outcome uncertain	Yes if need support for prioritising this river	<i>June 2022</i>

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
	resources and practical projects to achieve this outcome	Sought industry, university and community support for Waikirikiri priorities	Seek support for priorities - fairly general so committee can work out how	Yes, support recorded	Uncertain outcome but seeking the support is achievable	Yes if need support for prioritising this river	regular (ongoing)
		At least one comms/media story on Waikirikiri written per year	Media story	the story	yes	yes as promotion of the work will be key	ongoing
		Attended and contributed to relevant community/partner meetings	Go to meetings	Meeting records	Uncertain, depends how many meetings there are	Yes, if supporting work others are doing	On-going
		Investigate a “scorecard” for the river for community reporting by December 2023	A scorecard	Scorecard exists	Uncertain – committee may need to find avenues other than ECan	Yes, was key for Waikirikiri Working Group	Dec 2023
		Promote community engagement by adopting a stretch of the river for monitoring River River health using the NIWA SHMAK kit supported by a website to display the results. (add new schools to the Enviroshools network along the length of the river) Zone Committee can’t add new schools to the Enviroshools network. Suggestion: Encourage schools to get involved					
	We will request and recommend science information and advice to ensure all practical work is based	Request a report to determine criteria for what a healthy river, stream drain is with alert levels. Provide feedback (letter) to the Selwyn Waikirikiri Working group on the use of the 19 reference states, are they all, some, or non of them going to be used going forward. The working group already suggested criteria, you already have a request in to ECan to assess those criteria. Suggestion: Seek assistance to help committee agree on measurable criteria for a healthy Waikirikiri/Selwyn River and					

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
	on best practice and evaluation	<i>communicate this with the Waikirikiri Working Group and Community</i>					
		Request a report summarising the effectiveness of current riparian planting in reducing ecoli, NO3, P, sediment, impact on biodiversity benchmarked against what a healthy state is, what is the science behind it and what is best practice. How does the science stack up with current results (refer November Riparian meeting) to allow for tools to be developed to reduce sediment (refer to ECan's urban sediment tools), nitrate Phosphate, and ecoli <i>Suggestion for a shorter/more simple sentence: Actively pursue research into the effectiveness of riparian planting to ensure best practice and positive environmental outcomes</i>					
		Request a report to define what the Silverstream catchment loads for sediment, nitrate, phosphate, and ecoli Theoretical vs actual to benchmark, and track progress <i>Suggestion: Request methods and regular reporting to track sediment loads in Silverstream Catchment, and regularly provide this to the community</i>					
		2021/2 Summer studentships recommended to relevant councils for specific research	recommendations made	meeting records	recommendation is,	outcome uncertain as depends on council priorities	yes, research was key for waikirikiri working group 2021 /2 summer
		Identify and recommend new FMU's for the Selwyn Waikirikiri River and apply Silverstream catchment template (<i>not sure what this is?</i>) to address known issues as stepping-stones to restore the Waikirikiri/Selwyn River back to health.					
		Requested and received regular Waikirikiri/Selwyn-related project updates and contributed ideas and support to ensure projects progress	request and receive and contribute	Meeting records of updates and committee input	Yes, if committee makes time on agendas, workshops and if agencies involve committee	yes as committee have prioritised this river	Regular (ongoing)

Priority	Action	Measures	Specific	Measurable	Achievable	Relevant	Timebound
		Provided a representative on the Coes Ford Wetland Group to ensure zone committee support and contribution	A rep	Meeting records	Yes, already done	Yes, if supporting work others are doing	Regular (ongoing)
		Supported Greendale Enviroschool's work in the NRR project	Supported school - general enough for committee to work out what that means?	Yes, meeting records	Yes, already underway	Yes, with youth engagement focus and NRR key project	Regular (ongoing)
		Supported and received at least one project update/year for NRR and TSA projects	updates on 2 projects	Meeting records	Yes, Project Manager agrees	Yes, zc are governance gp for these	per year
	We will support landowner work in the Waikirikiri/Selwyn through the Swimmable Selwyn at Coes Ford Project	Provided a representative on relevant Waikirikiri/Selwyn working groups	A rep	Yes, meeting records	Yes	Yes to support them	ongoing
		Request regular updates on Swimmable Selwyn at Coes Ford Project	Request updates	Yes, facilitator records	Yes, already exists	Yes to support	ongoing
		Support the ECan zone team to encourage catchment groups	Support specific team to do specific task	Harder to measure, but might be in meeting records	Yes, already exists	Yes to support	ongoing
		Supported any funding bids	Support bids	Yes, in bid	Yes	Yes	ongoing
		Sought opportunities for and supported land purchases	look for land purchase opportunities	Yes if land purchase successful but harder to measure zone committee's actions - maybe in meeting records	Uncertain but hopeful	Yes, riparian planting/wet lands are key for health of Waikirikiri	Regular (ongoing)
		We will support and advocate for recreation enhancement along the Waikirikiri [See actions under our mahinga kai, biodiversity and recreation priority]					
		We will advocate for enhanced ecosystem health and biodiversity along the Waikirikiri by [See actions under our mahinga kai, biodiversity, and recreation priority]					