



**HURUNUI**  
*District Council*



# Hurunui-Waiau Zone Committee

## Agenda

Ordinary Meeting  
4.00pm, Monday, 15 June 2020

Council Chambers, 66 Carters Road, Amberley

*Community Partnership in Growth and Wellbeing*

**Committee Membership:**

Ken Hughey (Chairperson)  
Mayor Marie Black (Hurunui District Council)  
Cr Lynda Murchison (Hurunui District Council) (Deputy Chairperson)  
Cr Claire McKay (Canterbury Regional Council)  
Josh Dondertman  
John Faulkner  
Michele Hawke  
Julia McLean  
John Preece  
Makarini Rupene (Te Ngāi Tūāhuriri Rūnanga)  
Nukuroa Tirikatene-Nash (Te Rūnanga o Kaikōura)

**Quorum:**

The quorum of the meeting consists of:

- half of the members if the number of members (including vacancies) is even; or
- a majority of members if the number of members (including vacancies) is odd.

**Committee Secretary** – Michelle Stanley

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**The purpose of local government:**

- (1) The purpose of local government is—
- (a) to enable democratic local decision-making and action by, and on behalf of, communities; and
  - (b) to promote the social, economic, environmental, and cultural well-being of communities in the present and for the future.

*(Local Government (Community Well-being) Amendment Act 2019 – Section 10)*

HURUNUI WAI AU ZONE COMMITTEE  
WORKSHOP & MEETING  
Monday, 15 June 2020  
Council Chambers, Hurunui District Council, Amberley

### **AGENDA**

Item	Time	Report Title	Pages
	2.00pm	<b>Zone Committee Members Only Workshop</b>	
	3.45pm	<b>Break</b>	
	4.00pm	<b>Zone Committee Meeting commences</b> with karakia and formal order of business <ul style="list-style-type: none"> <li>• Te Reo Maori: places in the zone</li> <li>• Apologies</li> <li>• Announced urgent business</li> <li>• Interests register (updates)</li> </ul>	4-5
	4.15pm	Public contribution	
	4.25pm	Update from Zone Committee members on activities and meetings attended that relate to the Committee's outcomes for the zone	
1	4.35pm	Immediate Steps Zipporah Ploeg, Environment Canterbury	6-10
2	4.55pm	Update Zone Delivery Andrew Arps, Environment Canterbury	
3	5.10pm	Update from HWZC Wetlands Working Group Josh Dondertman, Michele Hawke, John Preece and Nukuroa Tirikatene-Nash	11
4	5.25pm	Update from HWZC Communications Working Group Julia McLean, Ken Hughey, John Faulkner	12
5	5.40pm	Zone Facilitator's Updates Lyn Carmichael, Environment Canterbury	13-19
6	6.00pm	Confirmation of minutes from meeting of 16 March 2020	20-27
7	6.10pm	Matters Arising/ Actions from previous meetings	28
	6.30pm	Meeting concludes	

## Register of Interests for the Hurunui-Waiau Zone Committee

Committee Member	Committee Member Interests
Mayor Marie Black	<ul style="list-style-type: none"> <li>• Director of Eventful Hurunui Limited</li> <li>• Trustee of Hawarden/Waikari Community Vehicle Trust</li> <li>• Trustee of Hawarden/Waikari Community Trust</li> <li>• A member of all Hurunui Council Committees</li> <li>• Advisory Trustee of Enterprise North Canterbury</li> <li>• Member of the Licencing Committee</li> </ul>
Cr Lynda Murchison	<ul style="list-style-type: none"> <li>• JG &amp; LM Murchison Farm Partnership (Partner)</li> <li>• Murchison Trust (Trustee)</li> <li>• Murchison Planning (Sole Trader)</li> <li>• New Zealand Planning Institute (Member)</li> <li>• New Zealand Geographical Society (Member)</li> <li>• QEII Trust (Life Member)</li> <li>• Federated Farmers of New Zealand (Farm p/s member &amp; Member North Canterbury Executive)</li> <li>• Alliance Meat Company (Shareholders)</li> <li>• Silver Fern Farms (Shareholders)</li> <li>• Ravensdown (Shareholder)</li> <li>• Heartland Bank (Shareholder)</li> <li>• Creative Communities New Zealand Hurunui (Member)</li> </ul>
Cr Claire McKay	<ul style="list-style-type: none"> <li>• Dairy/grazing Farmer in the Waimakariri District</li> <li>• Inenga Holdings partner (with spouse)</li> <li>• Woodfields Partnership partner (with spouse)</li> <li>• McKay Family Trust trustee (spouse is also a trustee)</li> <li>• Waimakariri Irrigation Ltd Shareholder</li> <li>• Consent holder of water take and use consents – CRC050222.1, CRC093084, CRR990908.1, CRC102890, CRC103260</li> <li>• Consent holder of effluent discharge consents – CRC990910.4, CRC102594, CRC122256, CRC122318, CRC144865.</li> <li>• Member of Federated Farmers</li> <li>• Dairy New Zealand Environmental Leaders Alumni</li> </ul>
Josh Dondertman	Nil
John Faulkner	<ul style="list-style-type: none"> <li>• Dairy farm owner 390 Flintoff Road, Culverden.</li> <li>• Amuri Irrigation Company Ltd (Shareholder).</li> <li>• Dairy Support block owner, 758 Mouse Point Road, Culverden.</li> <li>• Lockerbie Farms 2001 Ltd Director</li> <li>• Lockerbie Farms 2001 Ltd Consents (CRC030764, CRC121286, CRC165873)</li> <li>• Member of the independent irrigators Group.</li> <li>• Member of Federated Farmers.</li> <li>• Shareholder of Fonterra Dairy Co-operative Ltd</li> <li>• Shareholder of Balance Agri Nutrients</li> <li>• Shareholder of Farmlands</li> <li>• Shareholder of Ravensdown</li> <li>• Shareholder of Silver Ferns Farms</li> <li>• Trustee of the JL Faulkner Family Trust</li> <li>• Dairy Environment Leaders Alumni and Conference organising Committee member</li> <li>• Member of Beef and Lamb New Zealand</li> <li>• Waiau Uwha Restoration Project promoter.</li> </ul>
Michele Hawke	Nil

Ken Hughey	<ul style="list-style-type: none"> <li>• Professor of Environmental Management, Lincoln University (2 days per week)</li> <li>• Chief Science Advisor, Department of Conservation, Wellington (3 days per week)</li> <li>• Board member Waihora Ellesmere Trust</li> <li>• Board member Hanmer Springs Conservation Trust</li> <li>• Member NZ Geographical Society.</li> <li>• Occasional contract water-related research work including for Environment Canterbury.</li> </ul>
Julia McLean	<ul style="list-style-type: none"> <li>• Deputy President of Aotearoa Climate Emergency Inc.</li> </ul>
John Preece	<ul style="list-style-type: none"> <li>• Consultant wetland ecologist – including occasional contracts for Environment Canterbury</li> <li>• Part owner of commercial flower garden at Conway Flat</li> <li>• Coordinator Hutton's Shearwater Charitable Trust</li> </ul>
Makarini Rupene	<ul style="list-style-type: none"> <li>• Cultural Land Management Advisor, Environment Canterbury</li> <li>• Tangata Kaitiaki</li> <li>• Ngāi Tūāhuriri Representative, Motanau Coastal Guardians</li> <li>• Member, Executive, Ngāi Tūāhuriri Runānga</li> </ul>
Nukuroa Tirikatene-Nash	<ul style="list-style-type: none"> <li>• Tangata Kaitiaki</li> <li>• Trustee, Te Kōhaka ō Tūhaitara Trust</li> <li>• Member, Ngāi Tahu Farms Mana Whenua Working Party</li> <li>• CWMS North Canterbury Rūnanga Representative</li> </ul>

<b>AGENDA ITEM NO: 1</b>	<b>SUBJECT MATTER:</b> Immediate Steps
<b>REPORT TO:</b> Hurunui Zone Committee	<b>DATE OF MEETING:</b> June 15 <sup>th</sup> 2020
<b>PREPARED BY:</b> Zipporah Ploeg, Biodiversity Officer	<b>ACTION:</b> For decision and information

### 1. Purpose

1.1 An Immediate Steps project is presented to the Hurunui Waiau Water Management Zone Committee for funding allocation. The project is outlined in the table below.

### 2. Recommendation

That the Hurunui Waiau Water Management Zone Committee:

1. Support the two Immediate Steps project application

1.1 Scargill Hills Covenant

\$4,500

### 3. Background

3.1 The Immediate Steps (IMS) funding programme was launched in 2010 as part of implementing the Canterbury Water Management Strategy. Alongside planning and other measures, this funding is used to contribute to halting or reversing the decline in indigenous biodiversity associated with the increasing use of water resources in Canterbury.

3.2 The Hurunui Waiau Zone Committee has \$104,500 of Immediate Steps funding per year to spend on projects to protect and restore biodiversity. The below has already been allocated to Hurunui-Waiu projects:

	FY19/20	FY20/21	FY21/22
Allocated	\$100,540	\$92,100	\$82,466.66

### 4. Project applications

4.1 The project for consideration totals \$4,500.

	FY19/20
Proposed allocation	\$4,500 (Scargill Hills)
<b>Total</b>	<b>\$105,040</b>

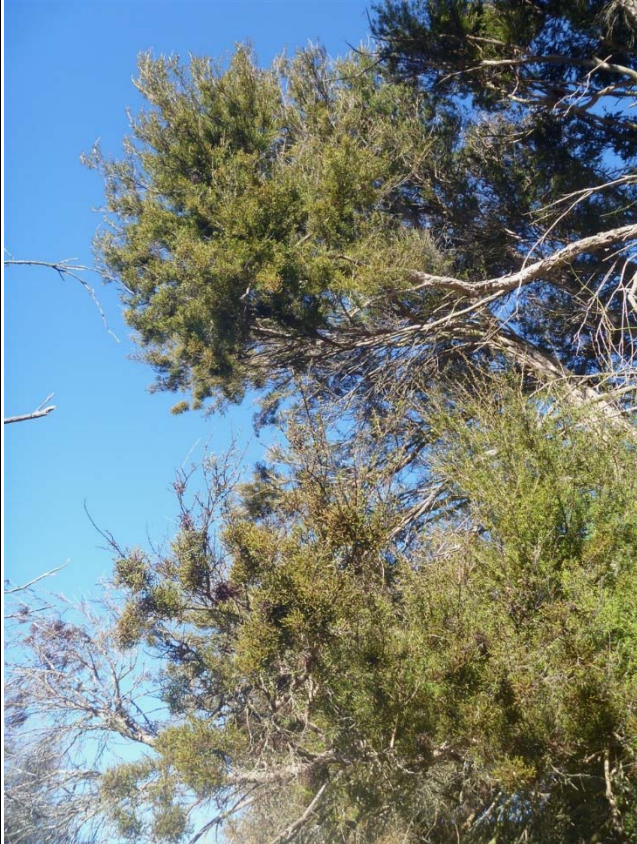


# Scargill Hills Covenant

## Project Images



Leafless clematis growing over dwarf kowhai scrub

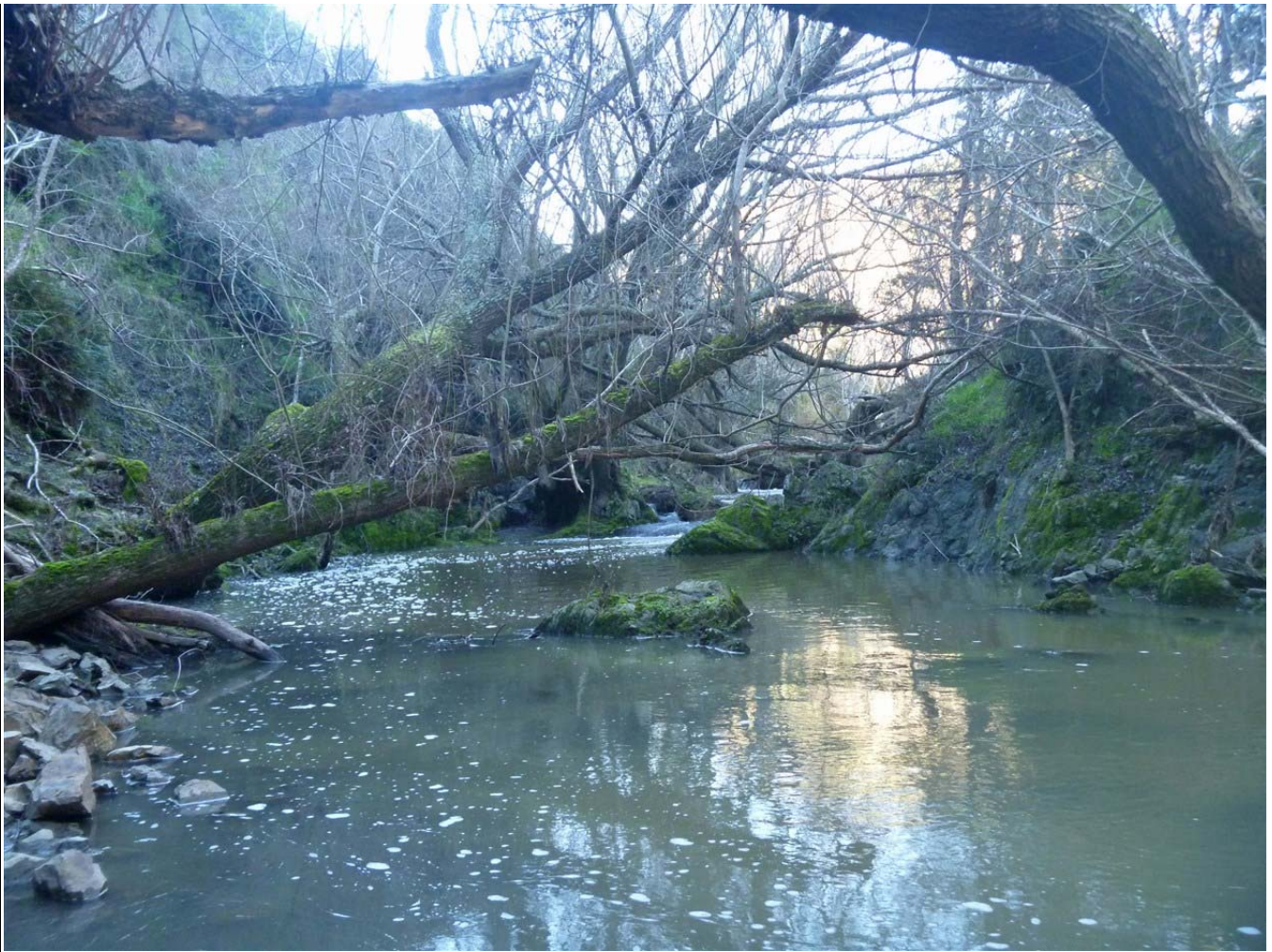


Pygmy mistletoe (*Korthalsella salicornioides*)  
on Kanuka



Overview from northeast





Continuous covenant across scargill creek

## Project Summary

This project is a protection project in partnership with the landowner and QEII. 815 m of new and ungraded fencing will reliably prevent access by livestock, thereby protecting a 450 m section of catchment and allowing the native riparian and hill-slope vegetation within the 2.8 ha Scargill Hills and the contiguous Trefusis covenant to recover to their best potential.

Additionally, several woody weeds within the Scargill Hills prospect will be controlled to levels that the landowner can manage thereafter. Similar weeds in the Trefusis covenant prospect are to be controlled in-kind with different funding.

The project has received a high ecological score of 72% (28/39) and requests \$4,500 of Immediate Steps funding, with a total project cost of \$19,700



## Project Details

<b>Project CWMS Zone</b>	Hurunui Waiau
<b>Project Location</b>	Easting (X): 1592655    Northing (Y): 5249812
<b>Nature of Project</b>	Protection
<b>Project Aim (objectives and overall vision)</b>	Fencing and wood control at protect 3.5ha of regenerating native vegetation and Scargill creek
<b>Project Outcomes (what the project will achieve)</b>	The bush and stream will be protected from incursions by livestock. Stability of the steep terrain will be enhanced through an improving cover of woody vegetation.
<b>Actions proposed to achieve outcomes</b>	<ul style="list-style-type: none"> <li>- New reliably stock-proof fencing will be erected and existing fencing will be upgraded to a reliably stockproof standard.</li> <li>- The area will become legally protected by way of a QEII covenant (subject to QEII approval).</li> <li>- Ecologically problematic weeds and pests will be controlled to levels that the landowner can manage thereafter.</li> <li>- Monitoring of the project and reporting back to ECan will be done by the QEII regional representative.</li> </ul>
<b>Supporting Organisation/ Community Group</b>	Queen Elizabeth II National Trust

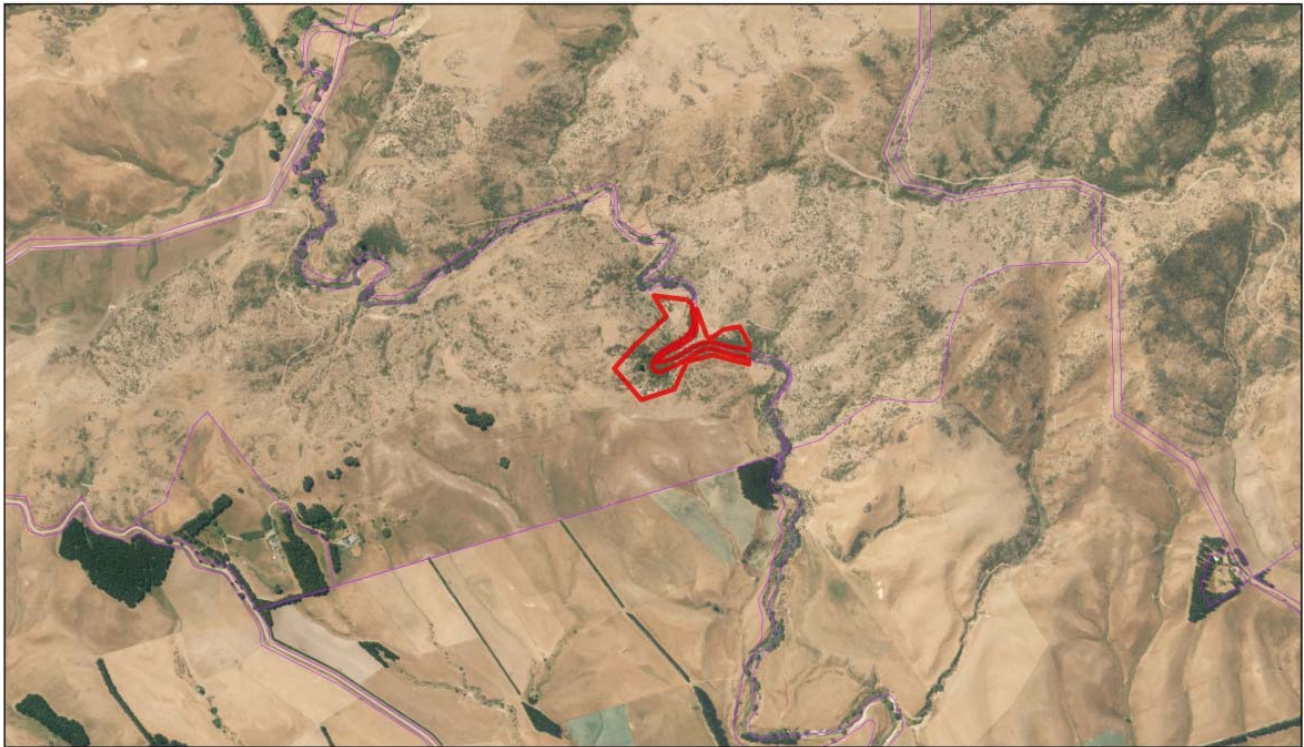
## Funding Requested

From IMS	From Other Sources	Estimated Total (Applicant)
\$4,500	\$15,200	\$19,700

## Project Map

Map 1 Location of the Property – Scargill (topomap)



**Map 2 Location of the Project – Scargill Creek (aerial)**

5/18/2019, 1:03:47 PM

Pre-Registration Covenants

Proposed

Titles

1:12,014

0 0.1 0.2 0.4 mi

0 0.15 0.3 0.6 km

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QEI National Trust  
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**Overall Assessment Scores**

Criteria	Score	Comments
Ecological Assessment Score (Existing and Potential) /39	28	A single block of riparian kanuka treeland and Coprosma-dwarf kowhai scrub and shrubland opposite a prominent rocky peninsula bounded by Scargill Creek. Scattered and clumped kanuka (frequently hosting pygmy mistletoe) over coprosma, matagouri and dwarf kowhai over a dryland pasture sward. A block of similar ecological value on the opposite (eastern) side of Scargill Creek is protected by way of a second QEII covenant with neighbouring Trefusis farm.

<b>HURUNUI WAI AU ZONE COMMITTEE</b>  AGENDA ITEM NO: 3	SUBJECT MATTER:  <b>Update from HWZC Wetlands Working Group</b>
Josh Dondertman, Michele Hawke, John Preece, Nukuroa Tirikatene Nash	DATE OF MEETING: 15 June 2020

### Action

- That the committee notes the updates on progress from the Wetlands Working Group members

### Background:

On 15<sup>th</sup> July 2019 the HWZC formed a working group to develop recommendations for the Zone Committee in relation to barriers and incentives to wetland enhancement and protection in the Hurunui Waiau zone. It is intended that the working group will engage with landowners, community groups and other affected stakeholders in developing these recommendations.

### Progress to date:

The working group has met regularly since its inception

The working group last met on 3<sup>rd</sup> March 2020 and agreed the following actions and assigned tasks:

- Investigate opportunity to include wetlands information presentations at upcoming shed talks on mahinga kai. Group to source presenters
- Approach AIC, HDLG, Hurunui Biodiversity Group to use networks for promotion of shed talks
- Produce a simplified wetlands 1-2 pager fact sheet with key contact information for use in Hurunui
- Investigate opportunities for wetland projects in local schools
  - Amuri Area school has a small wetland onsite
  - Hurunui college involved in LU bio blitz and may have opportunity for linkages to wetlands in lowland areas
  - Michele to make enquiries at schools



<b>HURUNUI WAIAU ZONE COMMITTEE</b>  AGENDA ITEM NO: 4	SUBJECT MATTER:  <b>Updates to HWZC Engagement and Communication Plan – 2019/20</b>
Julia McLean, Ken Hughey, John Faulkner	DATE OF MEETING: 15 June 2020

### Action

- That the committee notes the updates on progress from the Communications Working Group members

### Background:

On 17<sup>th</sup> June 2019 the HWZC formed a working group to develop a communication and engagement strategy for the HWZC for 2019-2020. The working group was tasked with developing the communication and engagement strategy in recognition that the community is central to all work undertaken by the zone committee and working with and listening to the community is at the core of what the HWZC does. It is intended that the communication and engagement activities will be undertaken by the committee in co-operation with the councils that formed it – and, where appropriate, with other partners/stakeholders.

### Progress to date:

Following discussion at a workshop on 17<sup>th</sup> February the HWZC Communications Working Group met to:

- develop communication plan updates to include “best practice” communications protocols for all members
- develop a communications plan section for a “community voice” facebook page for the HWZC
- develop a draft proposal for recognition and awards from the committee for individuals and groups who have contributed to improvements in freshwater outcomes in the Hurunui Waiau Zone.



<b>HURUNUI WAI AU ZONE COMMITTEE</b> AGENDA ITEM NO: 5	SUBJECT MATTER: <b>Zone Facilitators Updates</b>
Report by: Lyn Carmichael Environment Canterbury	DATE OF MEETING: 15 June 2020

**Action required:**

Note the updates on:

- HWZC Annual Report
- Fish Habitat Fund
- Proposed Plan Change 7
- Action for Healthy Waterways
- Our Freshwater 2020
- Groundwater Science
- Regional Committee

**HWZC Annual Report**

The Hurunui Waiau Zone Committee Annual Report was presented to the Hurunui District Councillors at their council meeting on 28<sup>th</sup> May and will be presented to the Environment Canterbury Councillors at their council meeting on 18<sup>th</sup> June.

**Fish Habitat Fund call for projects 2020**

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

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

- Email: [chloe.armour@ecan.govt.nz](mailto:chloe.armour@ecan.govt.nz)
- Phone: 027 678 9772

**Proposed Plan Change 7**

Proposed Plan Change 7 (of the Canterbury Land and Water Regional Plan) has been developed to respond to emerging resource management issues, to give effect to relevant national direction, to implement recommendations from the Hinds Drains' Working Party, and to implement

recommendations in the Waimakariri and Orari-Temuka-Opihi-Pareora (OTOP) Zone Implementation Programme Addenda (ZIPA).

The final submissions count is 558 for PC7 and 28 for PC2 (586 in total). Please refer to the following link to review these submissions:

<https://ecan.govt.nz/get-involved/news-and-events/2019/proposed-plan-change-7-submissions-published/>

A Summary of Decisions Requested (including further submissions) is now available on the ECan website.

The Section 42A Report is also now available. For further information on the hearing, including Minute 3 that details a delay in the hearing timetable in response to the COVID-19 emergency, please refer to the Independent Hearing Commissioner Documents.

For more information, go to:

<https://ecan.govt.nz/your-region/plans-strategies-and-bylaws/canterbury-land-and-water-regional-plan/change-7/>

### **Action for Healthy Waterways**

The Ministry for the Environment released information on the Action for Healthy Waterways on 28 May 2020. For more information on Action for Healthy Waterways go to:

<https://www.mfe.govt.nz/action-for-healthy-waterways>

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

Information for the following are available:

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

Other useful Action for Healthy Waterways information sheets provided include:

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

To view the Environment Canterbury media statement on this 28 May release go to:

<https://www.ecan.govt.nz/get-involved/news-and-events/2020/freshwater-package-welcomed/>

An updated FAQ relating to Proposed Plan Change 7 is also provided below:

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

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

### **Our Freshwater 2020**

In April the latest *Our Freshwater* report was released, which covers both surface water and groundwater:

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

### **Updates from Groundwater Science**

Two ECan groundwater reports have been published and the new LAWA groundwater quality topic has been launched:

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

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

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

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

Questions and Answers on the above reports attached as **appendix II**.

Below are some key messages from each Environment Canterbury report:

#### ***Groundwater survey***

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

#### ***Nitrate risk maps***

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

#### ***LAWA groundwater quality topic***

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

### **CWMS Regional Committee**

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

The link to the CWMS Regional Committee meeting papers is provided below:

<https://ecan.govt.nz/data/document-library/?Search=regional+water+management+committee%2C+agenda&documentTypes=-1&pageSize=12&start=1&sortDir=desc>



# Canterbury Biodiversity Initiative

## Fish Habitat Fund

### Seeking Project Proposals

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

#### Priorities:

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

#### Examples of projects:

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

**Proposals requested by Friday 3<sup>rd</sup> July 2020.**

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



## Groundwater quality QA, April 2020

### How many wells does Environment Canterbury monitor?

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

### What type of wells are monitored?

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

### How are the wells selected?

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

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

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

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

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

### Does ECan monitor drinking water?

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

### Who is responsible for testing drinking water?

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

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

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

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

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

**Why is there no data for Banks Peninsula?**

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

**Are the results what we expected?**

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

**How many wells had *E. coli* detections?**

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

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

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

**Why do shallower wells show higher contaminant concentrations?**

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

# HURUNUI DISTRICT COUNCIL MINUTES



**Meeting** Hurunui-Waiiau Zone Committee

**Date and Time** 16 March 2020, 4.15pm

**Venue** Waikari Memorial Hall, Waikari

**Agenda** <https://www.hurunui.govt.nz/find/how-the-council-works/meetings>

**Members Present** Ken Hughey (Chairperson), Cr Lynda Murchison, Cr Claire McKay, Josh Dondertman, Julia McLean, John Preece, Makarini Rupene, and Nukuroa Tirikatene-Nash.

**In Attendance** ***Environment Canterbury (ECan)*** – Lyn Carmichael (Zone Facilitator), Andrew Arps (Zone Manager), Marco Cataloni (Zone Delivery Lead), Nadeine Dommissie (Chief Operating Officer), Lisa Jenkins (Team Leader Planning), Jarred Arthur (Scientist - Water Quality and Ecology), Angus McLeod (Senior Communications Advisor)  
***Hurunui District Council*** – Hamish Dobbie (Chief Executive Officer)  
***Amuri Irrigation Company (AIC)*** – Andrew Barton  
***Department of Conservation (DOC)*** – John Benn  
***Public*** – Winton Dalley, Jamie McFadden  
***Committee Secretary*** – Michelle Stanley

**Recording Device** A recording device was in use for the accuracy of the minutes.

**Karakia** Ken Hughey led the Karakia.

**Te Reo Māori** The Committee suggested some ideas for the future of this agenda item such as:

- A forum for questions.
- Create a song from all the different names around the district.
- Go around the table with each member speaking a short mihi to help with confidence building.
- A better understanding of the rivers.
- Create a program going forward of what to cover at this agenda item.

Discussions and questions:

- Josh Dondertman reported that he attended the Treaty of Waitangi workshop at ECan. He noted that this was the best two days of learning he has undertaken in a while. It broke down some of the barriers of the language and provided understanding and clarity of New Zealand's history. He appreciated ECan providing this training.
- John Preece asked for the meaning of Omihi and Omihi Ngāi. Nukuroa Tirikatene-Nash noted that the word 'mihi' is an acknowledgement or greeting and 'o' in front of a word generally



means 'of'. There is a story that Omihi was an area where travellers to the Kaiapoi Pa stopped to put out their first call to the Pa before they could continue their journey.

Words were given a lot of weight and the future of the iwi depended on how people spoke. In the old days, the entire island was a marae not just a building as it is today. It was an entire ethnological approach.

- Makarini Rupene reported that submissions are open for the proposed Waipara Mataitai Reserve. Makarini stated that it was important to note that the Waipara Mataitai is not excluding recreational fishing, just commercial fishing. He asked that the Committee forward this message on.

## Apologies

Apologies were received from Mayor Marie Black, Michele Hawke, and John Faulkner.

THAT THE APOLOGIES BE ACCEPTED.

Hughey/McKay

CARRIED

## Workshop Summary

Ken Hughey updated the meeting regarding the workshop held prior to this meeting. The following was noted:

- Discussions were held around stresses and strains in the current climate, in particular, the drought and the Covid-19 outbreak.
- The Committee brainstormed what they thought were successes, what drove them, behaviours, and how they wish to move forward. It was positive discussion leading to a sense of purpose.
- Discussion was held on the CWMS and its targets. The Committee discussed if the Zone Committee had achieved these targets and how to move forward.
- Discussion was held on what the Zone Committee purpose is. This is to be further workshopped, being mindful of the existing Terms of Reference.
- It was acknowledged that formal workshops might need to be altered with the Covid-19 outbreak. The Zone Committee is aware that they will need to be open to a flexible working environment moving forward.

## Action Sheet

The action sheet was tabled. This table is a living document and is continually updated when appropriate.

Lyn Carmichael, Zone Facilitator, spoke to the actions and noted the following:

1. Cr Claire McKay reported that the Hutchings Report on the Hurunui-Waiau Zone Committee review was discussed in the Environment Canterbury Council meeting. She relayed to the Council that the Zone Committee had received the report, and that there were no surprises in it, the Zone Committee were being positive and moving forward. She updated the Council on the Zone Committee's action plan going forward over the next 6 months and the Council approved this. Cr McKay also relayed that not everything in the report was factually accurate and was opinion led, which the Council accepted.
2. The St Annes/Mata Kopae Lagoon – It was suggested that the Cawthron Institute be approached for a report on the health of the

	<p>Lagoon. It was suggested that the CDHB be approached for public health signs.</p> <p>3. Branding for Wetlands Project – ECan to report back to the Committee with a draft.</p> <p>4. Non-partisan biodiversity group – This is being worked on and is being looked at as a part of the Zone Committee’s overall priorities.</p>
<b>Conflict of Interest Declarations</b>	Nil.
<b>Urgent Business</b>	Nil.
<b>1. Public Contribution</b>	<p>Jamie McFadden sent an email to the Zone Committee which he spoke to. The following was noted:</p> <ul style="list-style-type: none"> <li>• Hurunui Biodiversity Trust is holding a Weeds and Pests field day on Monday, 23 March at 1pm Port Robinson Reserve. It is being advertised on Facebook. They have been unable to get funding from Department of Conservation.</li> <li>• Jamie spoke about the concerns held about Farm Environment Plans. He stated that they are not an empowering tool for farmers and were not designed to cover everything. Farmers are not getting what they want so Hurunui Natives have offered to complete a biodiversity map which is a more holistic approach. These are 2 to 4 hour sessions with the landowner identifying key priorities. Hurunui Natives have only just begun to offer this service.</li> <li>• Jamie spoke on the National Policy Statement and wetlands mapping. He feels that it is a massive barrier to farmers, and there is increasing reluctance for farmers to do stuff. People over on the West Coast are advising others to clear as much wetlands as possible which is environmentally damaging. Farmers feel up against the wall.</li> <li>• Jamie informed the Zone Committee of the investigations he has been undertaking due to ECan Consent Officers using new mapping of flood lines with landowners. He has made an Official Information Request. The Zone Committee confirmed that it was unaware of any mapping within ECan and agreed to follow up on this concern.</li> <li>• The Zone Facilitator noted that Michael Bennett is due to report to the Zone Committee on Post Quake farming and working with farmers in the Hurunui Waiau Zone.</li> </ul> <p>Andrew Barton, Amuri Irrigation Company (AIC), provided a verbal update to the Zone Committee on the activities of AIC since the last Zone Committee update. The following was noted:</p> <ul style="list-style-type: none"> <li>• AIC have continued with the water design and consents for the new irrigation scheme construction. Discussions with interested landowners have been ongoing on how to provide water for the future.</li> <li>• AIC are in the midst of its audits. Results will be collated in the next month.</li> <li>• They are undertaking a feasibility plan for on plains storage.</li> <li>• Hydropower generation – AIC are in the process of applying for consents for the winter months on the Lowry Peaks Drain and the</li> </ul>

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Pahau River, just upstream of State Highway 7. Andrew noted that there is a third spot that they would like to investigate but need to consult with local Runanga.

- AIC has agreed to give a bimonthly report to the Zone Committee.

Ken Hughey thanked both Jamie McFadden and Andrew Barton for their updates.

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## 2. Plan Change 1 Decision

Lisa Jenkins,  
ECAN

*Cr Lynda Murchison declared her conflict of interests on this item and removed herself from the table and discussions.*

Lisa Jenkins, ECan, spoke to a presentation on the panel recommendations on Plan Change 1. She outlined the history behind the Plan Change.

The Zone Committee members are encouraged to read the decision.

The Zone Committee discussed the presentation and the following was noted:

- Ken Hughey stated that the Zone Committee should feel positive about how the decision turned out and the process of getting it there.
- Cr McKay reported that she acknowledged all those involved in the process at the Environment Canterbury Council meeting. She thanked those past and present Zone Committee members for their work getting it to a stage that could be presented to the hearing commissioners. This decision is a testament to the Committee since the hearing committee have carefully considered each aspect.
- The addition of mahinga kai to the Plan was discussed. This addition was opposed by a number of entities including Federated Farmers and the Biodiversity Group due to landowner concerns. A comment was made by a member of the public that this is going to be an ongoing issue for the community and landowners and that it was unfair to enforce it in a regulatory space.  
It was agreed that further education around the inclusive approach of mahinga kai needs to be actioned working with the community and landowners to elevate any fear or uncertainty.

Ken Hughey, on behalf of the Zone Committee, gave a huge thanks to Lisa Jenkins and the rest of the team for the amount of work it took to get this Plan Change across the line.

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## 3. Water Quality Update

Jarred Arthur,  
ECan

Jarred Arthur, Water Quality Ecology Scientist ECan, spoke to a presentation updating the Zone Committee on the recreational water quality in the Hurunui-Waiau Zone. The following was noted:

- Health Warning Signage is a District Council responsibility. If two consecutive faecal indicator bacteria samples are taken that trigger an exceedance, then warnings need to be put up.
  - Jarred spoke about the Balmoral black-backed gull culling and the effect this has had on the water quality in the Hurunui River upstream of State Highway 7. He noted that while there is no certainty that it will make any lasting difference to the water quality the signs are looking promising for this coming year compared to before the culling took place.
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- Jarred reported on the current state of the Waipara River at the Boys Brigade water hole where there was one unexplained peak in *E. coli*. Community members have reported dog illness from cyanobacteria in the river. ECan field staff located the cyanobacteria mats, with some difficulty due to the small size and limited coverage of the mats, and the results showed that the mats were actively producing toxins.

In response to several questions Jarred reported that:

- Sometimes a reactive approach is taken as ECan have certain spots that they test but issues will occur elsewhere.
- He would look over the records to determine if the dog death from toxic algae was a first for the Waipara River.
- Facilitator to forward papers on recent research on toxic algae in Canterbury rivers led by Tara McAllister
- The LAWA website is the medium for communicating water quality results. Jarred noted that LAWA and ECan report their grades in different ways. ECan grade on 5 years data and remove odd occurrences like floods. The method LAWA uses may be reviewed which could improve consistency between the two methodologies.
- It was requested that a working party be set up to look at water quality. The Committee to consider if it fits into its priority list for a future agenda item.
- In response to a question, Jarred noted that the uncertainty over the black-backed gull results were around how much the different avian species (i.e. the protected vs culled species) contributed to the *E. coli* counts and if the cull was enough. Other birds could move in to nest from other areas in future seasons, and threatened bird populations may increase in response to the cull of predatory black-back gulls. It was noted that a previous update given to the Zone Committee after the cull indicated that it was looking like it was an effective strategy and that the dominant source was the black-backed gull colony.
- Jarred noted that a pilot study is being developed to carry out fish surveys in the hāpua of five rivers. This is being looked at for April/May if the funding request for this work is successful. It will be ECan led but put out to tender for assistance. Ken Hughey asked what the key design criteria for this was, had cultural aspects been considered and if the community would be consulted? Nukuroa also cautioned Jarred not to use the term hāpua without mana whenua leadership.

Ken Hughey, Chair, thanked Jarred for his update, and summarised that water quality will be a future discussion.

#### **4. Update from Hurunui-Waiau Zone Committee Wetlands Working Group**

Josh  
Dondertman,  
Michele Hawke,  
John Preece, and

Josh Dondertman spoke to the report and the following was noted:

- The Wetlands Working Group is not currently focussing on one flagship project as they are choosing instead to work across the zone with the willing to find multiple projects as examples of what can be done.
- The group were positive about the last field day they attended and have discussed that it would be good to do something further in the Autumn and join with the mahinga kai shed talks which are planned.



Nukuroa Tirikatene-Nash	<ul style="list-style-type: none"> <li>• They are planning on creating a short summary page outlining some basic information on wetlands. This will be focussed on directing people to where information on wetlands can be found and will be used to support shed talks planned on wetlands to align with those on mahinga kai. The group have discussed the opportunity to approach the local schools, with the aim to change the culture of youth coming through – Michele Hawke is leading this.</li> <li>• It was noted that the Jed River walk is still going ahead at this stage. It has been suggested that Woolshed Creek adjacent to the school could be used as a wetland project for the school. Lyn Carmichael noted that Michele Hawke has identified this and will follow up with the school on this.</li> <li>• It was noted that they are still to workshop the barriers to protecting wetlands and that ECan is working on a wetland strategy which the group has fed into.</li> </ul>
<b>5. Update from Hurunui-Waiau Zone Committee Communications Working Group</b> Julia McLean, Ken Hughey, John Faulkner	<p>Julia McLean spoke to the report updating the Committee on the HWZC Engagement and Communication Plan 2019/2020.</p> <p>The Communications Working Group met to discuss:</p> <ul style="list-style-type: none"> <li>• Develop communication plan updates to include ‘best practice’ communications protocols for all members.</li> <li>• Develop a communications plan section for a ‘community voice’ facebook page for the HWZC.</li> <li>• Develop a draft proposal for recognition and awards from the committee for individuals and groups who have contributed to improvements in freshwater outcomes in the Hurunui-Waiau Zone.</li> </ul> <p>Discussion was held and the following was noted:</p> <ul style="list-style-type: none"> <li>• Clarification was sought on the wording of the communication protocols, first paragraph, on page 95 of the agenda. It was felt that the word ‘limiting’ was misleading. The Working Group will look at rewording and shortening this paragraph.</li> <li>• The Zone Committee considered the proposal for creating awards to recognise those individuals or groups who have contributed to improvements in freshwater outcomes within the Hurunui Waiau Zone. The Zone Committee agreed that it was a good concept. It was discussed that suitable sponsorship options be looked at and come back to the committee with further information. It was suggested by HDC and ECan officers that it would be beneficial to keep the criteria simple and to appoint an independent panel to decide on the award recipients. Winton Dalley, member of the public, commented that this was a fantastic initiative and is the first time a regulator group has done something like this, promoting the small guy. He supports the attitude towards it.</li> </ul> <p>THAT THE HURUNUI-WAIAU ZONE COMMITTEE ACCEPTS THE PROPOSED AMENDMENTS TO THE COMMUNICATION PLAN SUBJECT TO THE REWORDING OF THE COMMUNICATION PROTOCOLS ON PAGE 95 OF THE AGENDA AND ITS IMMEDIATE IMPLEMENTATION.</p>
McLean/Dondertman	CARRIED

**6. Update from Zone Committee members on other activities and meetings attended that relate to the Committee's outcomes for the Zone.**

Ken Hughey noted that he attended the Cheviot A&P Show, along with Lyn Carmichael to promote the Zone Committee. They worked with the Hurunui District Council team and the Hurunui Youth Council. They gave away 100 keep cups and had good engagement with community members. Nukuroa Tirikatene-Nash and John Preece also attended the Show.

Lyn Carmichael reported that she also attended the Amuri A&P Show, where she wandered around and spoke to people about the work of the Zone Committee.

**7. Zone Facilitator's Updates - Canterbury Water Management Strategy Zone and Regional Committee Paper**

Lyn Carmichael spoke to the paper and the following was noted:

- The paper 'Canterbury Water Management Strategy Zone and Regional Committee' from Caroline Hart was workshopped today with Zone Committee members requested to email further comments to Lyn Carmichael.  
The purpose of this paper was to inform and seek initial input from CWMS Regional and Zone Committees on work underway to ascertain how empowered zone committees can continue to promote community engagement and support the ongoing implementation of the CWMS.

The Committee discussed the paper and the following was noted:

- In response to a question on the difference between this process and the independent review, it was noted that this relates directly to a request from the Mayoral forum for a review of the form and function of zone committees and does not cut across the Hutchings review of the Hurunui Waiau Zone Committee. This process is being done at a high level.  
Due to the confusion around the need for two separate reviews, Lyn Carmichael to ask if Caroline Hart, Environment Canterbury Programme Manager for the CWMS would speak to the Committee on the purpose of this process.

Other Zone Facilitator Updates:

- It was noted that in the last Zone Committee workshop, ZIP awareness was discussed. The plan is to develop a work program and the Committee has looked at different ways of working such as workshops before meetings.
- Lyn Carmichael noted that the Jed River walk is going ahead on the 16 April. This is a community action, and the Zone Committee is providing some support. Lyn will forward further information to the Committee on this. It was agreed that John Preece and Nukuroa Tirikatene-Nash would attend this day and will provide an update to the Committee.
- A Hurunui biodiversity field day has been scheduled for 23 March 2020. Lyn Carmichael will send out some links via email. John Preece agreed to attend this field day.

**8. Minutes**

THAT THE MINUTES OF THE COMMITTEE MEETING HELD ON  
17 FEBRUARY 2020 ARE CONFIRMED.

Julia/McKay

CARRIED

**Matters Arising:**

*Minutes: Membership on the working party (Page 107)*

It was clarified that AIC are not stopping the enhancement package; they will keep reporting on the work going forward and the Zone Committee will continue to ask AIC for updates on these works. It was agreed that the Committee work with AIC about having a subject to report on for each meeting they attend.

Makarini Rupene still to check with his manager about the working party membership.

*Item 5, Hanmer Conservation Trust (Page 109)*

Ken Hughey updated the Zone Committee that Chris Hughey does not require any assistance with the wetland. The Hanmer Conservation Trust had a working bee and it is looking good.

**Urgent Business**

Nil

**Meeting concluded**

The meeting concluded at 5.50pm with Nukuroa Tirikatene-Nash leading a Karakia.

**Next meeting**

20 April 2020 – Cheviot.

### Hurunui-Waiiau Zone Committee Action Sheet *(updated for 15 June 2020 zone committee meeting)*

Item	Meeting Date	Name of Item	Action Required	Actioned By/Manager	Status of Action
	16 March	St Annes / Mata Kopae Lagoon	Request for update on any water quality monitoring in Mata Kopae Lagoon and follow up with CDHB	Officers	<b>Work in progress</b> Updates on monitoring from Lakes380 project here <a href="https://lakes380.com/">https://lakes380.com/</a>
	16 March	Phormidium research	Request for recent research on phormidium in Canterbury to be circulated	Lyn	<b>Completed</b>
	16 March	Cynobacteria in Waipara	Information requested on historical occurrences in Waipara	Lyn/WQ Science	<b>Completed</b>
	16 March	Work on hapua flow dynamics	Richard Measures to be asked to present on this recent work. – Hapua workstream?	Lyn/All	<b>Work in progress</b>
	17 February	Advice from LINZ	Request clarification from on LINZ relationship with local iwi	All	<b>Work in progress</b> Question to be posed when LINZ attends ZC meeting
	17 February	Update request	Update to be sought from SFF wetlands project	Lyn	<b>Work in progress</b> Update scheduled for upcoming ZC meeting
	9 December	Branding for Wetlands Project	Develop branding for the Wetlands project to promote engagement and partnering	Zone Delivery / ECan Comms	<b>Work in progress.</b>
	17 June 2019	Non-partisan Biodiversity Group	Investigate establishing a non-partisan Biodiversity Advisory Group	All	<b>Work in progress</b> Committee to consider this in setting priority workstreams
	18 March 2019	Cultural Discussion of identifying grades of the Rivers	That a cultural discussion of the rivers be undertaken to identify and recognise Māori values versus A and B grades used by ECan.	Nukuroa Tirikatene-Nash/Lyn	<b>Work in progress.</b> Māori look at the river in terms of reliability of the water and grade via state of the river: Drinking water, baptism, wai tapu. Further discussion to be held – to be scheduled in Work Programme.



# Hurunui Waiau Zone Water Management Committee

## Terms of Reference

The area of the Hurunui Waiau Water Management Zone is shown on the attached map.

## Establishment

The Committee is established under the auspices of the Local Government Act 2002 in accordance with the Canterbury Water Management Strategy 2009.

The Committee is a joint Committee of Environment Canterbury (the Regional Council) and Hurunui District Council (the Territorial Authority).

## Purpose and Functions

The purpose and function of the Committee is to:

- Facilitate community involvement in the development, implementation, review and updating of a Zone Implementation Programme that gives effect to the Canterbury Water Management Strategy in the Hurunui Waiau area; and
- Monitor progress of the implementation of the Zone Implementation Programme.

## Objectives

- 1) Develop a Zone Implementation Programme that seeks to advance the CWMS vision, principles, and targets in the Hurunui Waiau Zone.
- 2) Oversee the delivery of the Zone Implementation Programme.
- 3) Support other Zone Implementation Programmes and the Regional Implementation Programme to the extent they have common areas of interest or interface.
- 4) Ensure that the community of the Zone are informed, have opportunity for input, and are involved in the development and delivery of the Hurunui Waiau Implementation Programme.
- 5) Consult with other Zone Water Management Committees throughout the development and implementation of the Hurunui Waiau Implementation Programme on matters impacting on other zone areas.
- 6) Engage with relevant stakeholders throughout the development of the Hurunui Waiau Implementation Programme.
- 7) Recommend the Hurunui Waiau Implementation Programme to their respective Councils.
- 8) Review the Implementation Programme on a three yearly cycle and recommend any changes to the respective Councils.
- 9) Monitor the performance of Environment Canterbury, Hurunui District Council, and other agencies in relation to the implementation of the Hurunui Waiau Implementation Programme.
- 10) Provide Environment Canterbury and Hurunui District Council with updates on progress against the Zone Implementation Programme.

## **Limitation of Powers**

The Committee does not have the authority to commit any Council to any path or expenditure and its recommendations do not compromise the Councils' freedom to deliberate and make decisions.

The Committee does not have the authority to submit on proposed Resource Management or Local Government Plans.

The Committee does not have the authority to submit on resource consent matters.

## **Committee Membership**

The Zone Committee will comprise:

- 1) One elected member or Commissioner appointed by Environment Canterbury;
- 2) One elected member appointed by each Territorial Authority operating within the Zone Boundary;
- 3) One member from each of Tūāhuriri and Kaikōura Rūnanga;
- 4) Between 4-7 members appointed from the community and who come from a range of backgrounds and interests within the community;
- 5) Environment Canterbury and Hurunui District Council will appoint their own representatives on the Committee. Tūāhuriri and Kaikōura Rūnanga will nominate their representatives and the appointments will be confirmed by Environment Canterbury and Hurunui District Council.

## **Selection of Community Members**

To be eligible for appointment to a Zone Committee the candidate must either live in or have a significant relationship with the zone. Recommendations on Community Members for the Hurunui Waiau Zone Committee will be made to Environment Canterbury and Hurunui District Council by a working group of representatives from Environment Canterbury, Hurunui District Council, Tūāhuriri and Kaikōura Rūnanga. The recommendations will take into account the balance of interests required for Hurunui Waiau, geographic spread of members and the ability of the applicants to work in a collaborative, consensus-seeking manner. Environment Canterbury and Hurunui District Council will receive the recommendations and make the appointments.

## **Quorum**

The quorum at a meeting consists of:

- (i) Half of the members if the number of members (including vacancies) is even; or
- (ii) A majority of members if the number of members (including vacancies) is odd.

## **Chair and Deputy Chair**

Each year, the Committee shall appoint the Chair and Deputy Chair from the membership by simple majority. There is no limit on how long a person can be in either of these positions.

## **Term of Appointment**

Members of Committees are appointed for a term of three years. To coincide with Local Government Election processes terms shall commence from January each year, with each Committee requiring confirmation of membership by the incoming Council. The term for community members will be staggered so that one third of the community members is appointed (or reappointed) each year. There is no limit on the number of consecutive terms.

## Financial Delegations

None

## Operating Philosophy

The Committees will at all times operate in accordance with the requirements of the Local Government Official Information and Meetings Act 1987, and will observe the following principles:

- 1) Give effect to the Fundamental Principles, Targets and goals of the CWMS;
- 2) Be culturally sensitive observing tikanga Maori;
- 3) Apply a Ki uta ki tai (from the mountains to the sea) approach;
- 4) Work with the CWMS Regional Committee to support the implementation of the CWMS across the region as a whole;
- 5) Give consideration to and balance the interests of all water interests in the region in debate and decision-making;
- 6) Work in a collaborative and co-operative manner using best endeavours to reach solutions that take account of the interests of all sectors of the community;
- 7) Contribute their knowledge and perspective but not promote the views or positions of any particular interest or stakeholder group;
- 8) Promote a philosophy of integrated water management to achieve the multiple objectives of the range of interests in water;
- 9) Seek consensus in decision-making where at all possible. In the event that neither unanimous agreement is able to be reached nor a significant majority view formed, in the first instance seek assistance from an external facilitator to further Committee discussions and deliberations. Where the Committee encounters fundamental disagreements, despite having sought assistance and exhausted all avenues to resolve matters, recommend that the respective Councils disband them and appoint a new Committee.

## Meeting and Remuneration Guidelines

- 1) The Committee will meet at least eight times per annum and with workshops and additional meetings as required. At times, the workload will be substantially higher. Proxies or alternates are not permitted.
- 2) Any Committee may co-opt such other expert or advisory members as it deems necessary to ensure it is able to achieve its purpose. Any such co-option will be on a non-voting basis.
- 3) Remuneration for members will be paid in the form of an honorarium currently set at the following levels:
  - a. Appointed members - \$4,000 pa
  - b. Deputy Chair - \$5,000 pa
  - c. Chair - \$6,000 pa.

Staff or elected members of Territorial Authorities or the Environment Canterbury shall not be eligible for remuneration.

Mileage will be reimbursed.

## Committee Support

The Committee shall be supported staff from the Territorial Councils and Environment Canterbury, primarily through the Committee Secretary and the Zone Facilitator.

## Map showing Hurunui Waiau Water Management

