



Lower Waitaki - South Coastal Canterbury Zone Committee

AGENDA

A **MEETING** of the LOWER WAITAKI - SOUTH COASTAL CANTERBURY
ZONE COMMITTEE will be held as follows:

Date: Wednesday 14 December 2016

Time: 2.00 pm

Venue: Waihao Marae, 38 Maori Road, Morven, Waimate

Membership

Kate White (Chair)	Suzanne Eddington
Andrew Feierabend	Mark Giles (Deputy Chair)
Sandra Hampstead-Tipene	Andrew Hayes
Jeremy Holding	Mark Kingsbury
Miriam Morton	Bruce Murphy
Brent Packman	Elizabeth Rollinson
Ranui Ryan	Peter Scott

Lower Waitaki South Coastal Canterbury Zone Committee

Waihao Marae, 38 Maori Road,
Morven, Waimate

AGENDA 14 December 2016

2.00 pm – 4.15 pm

	Page No.
Karakia and welcome	
1. Apologies	
2. Minutes – 16 November 2016	3 - 6
3. Permanent Items	
a) Matters Arising	
b) Correspondence	
c) Regional Committee Update (Bruce Murphy)	7 - 8
d) Declarations of Interest	
e) Facilitator Update	
4. Zone Implementation Programme Delivery	
Monthly update on actions (Verbal – Michael Hide)	
Compliance monitoring results 2015/16 (Report – Michael Hide)	9 - 11
Plan Change 5 Reply (Report – Devon Christensen)	12 - 13
5. Strategic	
Update on Wainono Augmentation (Verbal - Stacey Scott)	
Hakataramea Braided River Weed Control (Report – Kennedy Lange)	14 - 20
6. Zone Committee	
Feedback on Draft Committee Annual Report (Nic Newman)	
First Meeting 2017 (Nic Newman)	
7. General Business	

Time Table

2.00pm	Karakia and welcome
	Apologies, Minutes, Permanent Items
2.15pm	Zone Implementation Programme Delivery
2.30pm	Plan Change 5 reply
3.00pm	Strategic – Update on Wainono Augmentation
	Hakataramea Braided River Weed Control
3.30pm	Afternoon Tea
3.45pm	Zone Committee Update
4.00pm	General Business
4.15pm	Karakia and meeting close

Lower Waitaki – South Coastal Canterbury Zone Committee

Minutes of the Committee meeting held in the Waimate Events Centre, 13 Paul Street, Waimate on Wednesday 16 November 2016, at 1.00pm

Present	Kate White (Chair, Community rep), Suzanne Eddington (Waihao Runanga), Andrew Feierabend (Meridian Energy), Mark Giles (Deputy Chair, Community rep), Sandra Hampstead-Tipene (Arowhenua Runanga), Andrew Hayes (Community rep), Cr Jeremy Holding (Waitaki District Council representative), Mark Kingsbury (Community rep), Cr Tom Lambie (Environment Canterbury Representative), Cr Miriam Morton (Waimate District Council), Bruce Murphy (Community rep), Brent Packman (Community rep) and Liz Rollinson (Community rep)
Apologies	Ranui Ryan (Moeraki Runanga),
In Attendance	Nic Newman (Zone Facilitator – ECan) Elly Finnerty (Committee Secretary)

At the invitation of the Chair Suzanne shared a Karakia

The Chair welcomed visitors to the meeting, Jeremy Holding was welcomed as the newly appointed Waitaki District Council representative.

1. Confirmation of Minutes

RESOLVED
LWSC16/44

M Kingsbury/L Rollinson
"That the minutes of the Committee meeting dated 19 October 2016 be confirmed."

CARRIED

2. Permanent Items

Matters Arising from the Minutes:
Nil

Correspondence

Inwards

Waimate District Council – Confirming the appointment of Cr Morton to the Committee
ECan - Recreational Fresh Water Quality 2015-2016 Summary

Declarations of Interest

Nil

Facilitator Update

Wilding Pines and Braided River Update are on the agenda for this meeting.

3. Regional Round Up

The Committee members reported on topics from their areas:

Mark Kingsbury – the recent rain means there is water flowing in streams and rivers.

A recent letter to the Editor mentioned the large catches of Whitebait – does anyone know if it is likely for restrictions on catches or sustainability studies being done. The committee discussed protection and enhancement of whitebait spawning areas.

Brent – noted that there are not many female salmon around, the water temperature effects the sex of the fish.

Liz – Waihao Box has been working well – opening naturally. The Waihao/Wainono group are meeting on 21 November for their AGM, at 6.15pm there is a public meeting with a guest speaker talking about 'Carex'.

Tom – Noted with thanks the work of Bruce Scarlett on the Waihao Box – without him and the other engineers working on this it would not be opening naturally.

Bruce – Creeks/streams filling up with the rain, box opened three times in the last nine weeks, good fish and whitebait catches. Suggested that Stacey attend a meeting to update the committee on the Hunter Downs Irrigation Study on the Lagoon.

Suzanne – met with Oceania today re the Ocean outfall, Oceania are no longer seeking consent for this.

Sandra – The Waitaki Management Plan is ready for the Runanga to review.

Mark Giles – plenty of rain up the top of the Hakataramea, he noted that the ground water is not back to previous levels. Good meeting attendance at a recent meeting held at Cattle Creek, Mark felt the meeting could have been better structured. The attendees need to be kept engaged and feeling that things are moving along.

Miriam - the large amount of rain has created some mess in the Waimate town centre. Oceania are doing landscaping at Glenavy.

RESOLVED

LWSC16/45

M Morton/A Hayes

"That the committee receives the information."

CARRIED

4. Strategic – Canterbury Wilding Conifer Control Programme

Michael Hide spoke to the paper that had been circulated with the agenda, the paper provided information on the wilding conifer problem in a New Zealand context and the full cost of a programme to protect farmland, water yield, biodiversity and iconic landscapes from invasive conifers. It also provides background on previous funding decisions related to the management of wilding conifers. Key messages included:

- Wilding conifers now occupy around 1.8million hectares, almost 6% of New Zealand's total land area
- Wilding conifers are still spreading at approximately 90,000 hectares per year – equivalent to nine average-sized high country farms.
- Wilding conifer forests generally have no economic value due to their dense and tangled nature, poor form and they are often in difficult to access terrain.

\$16 million is to be provided over four years to assist with the costs of implementing a national programme for managing wilding conifers. A Wilding Governance Group has been formed to provide national oversight of the control programme, including funding and allocation decisions. Regional Councils in the affected regions are taking on the role of "banker" on behalf of the Crown. Canterbury will implement six control programmes in 2016/17 with a total budget of just under \$4 million including the Crown funding.

A prioritisation of wilding conifer infestations in a national context has been undertaken and this will guide the control work for the first four years. Other priority areas in the Waitaki catchment targeted for control are Ohau, Ben Ohau, Pukaki Tekapo and St Mary/Ida. The latter is part of a much larger programme involving Kakanui and Naesby in Otago and this work will be managed by the Otago Regional Council.

5. Strategic – Managing Braided River Weeds

Kennedy Lange from ECan presented to the Committee on Braided River Weed control. It is proposed that Immediate Steps Funding could be allocated over longer period of time providing certainty that the control work will be followed up. The strategic management of the weeds needs to be accomplished over time to help stop regrowth occurring.

The Committee discussed the importance of the community owning the project and Kennedy used the example of the Rangitata community coming together to form a Charitable Trust to oversee the weed control. They are able to work collectively on a number of fronts including applying to other funding sources eg Lotto for weed control.

Kennedy will come back to the committee with a paper on the plan for the next five years for the weed control in the Hakataramea and a proposal for Immediate Steps Funding for some of this work. The committee agreed in principle with this proposal.

2.38pm the meeting adjourned and reconvened at 3.00pm

6. Zone Implementation Programme Delivery

Monthly Update on Actions

Michael Hide, (ECan - Zone Manager) updated the committee on some things that had been happening in the Zone recently.

- Recent Mudfish survey has found new habitat's that were not previously known.
- Working with farmers on where quick changes to on farm practices can be made to help improve water quality in the Upper Waihao.
- ECan are reviewing the pollution hotline process to improve the response times.
- Aerial survey of the Hakataramea River is taking place, this will give an overview of the catchment.

South Canterbury Deep Groundwater Study

Hisham Zarour presented the findings of the initial results of the above study to the committee. One of the Zone Implementation Programme recommendations was that Canterbury Regional Council carry out technical investigations to support the review in 2025 such as: the long term sustainability of deep groundwater abstractions through increasing understanding of aquifer recharge and discharge flow time (ie groundwater age). The initial report does not include isotope (age) data and it is expected the full report will be ready by the end of 2016 and reported back to the committee in September 2017.

The conclusions so far show:-

Deep aquifers recharge

- Strong vertical downward hydraulic gradients prevail
- Water chemistry data suggest water can permeate vertically through Kowai Formation aquifers.
- Surface water losses is an important recharge component to the deep groundwater systems.
- River recharge water appears to be mainly confined within the lateral boundaries of modern day river valleys, except in the Pareora River catchment.
- Perora River may have relationship with deep groundwater beneath the Pig Hunting Creek catchment.
- Land surface recharge (LSR) is the dominant recharge mechanism in loess-covered areas but at severely limited rates.

Hydrological continuity

- Conditions vary across the area due to the non-uniform geology.
- In the Pareora catchment
- River water provenance flowing beneath groundwater with an LSR provenance indicate that horizontal groundwater flow within the Kowai Formation is focused through transmissive beds, mainly in the lower parts.
- River water can infiltrate through the upper layers to the deeper layers.
- There is evidence on high level of stratification within the groundwater system.

Deep aquifers discharge

- The aquifer discharges offshore.
- There is some localized up-welling flow immediately inland of Wainono Lagoon.
- Pumped abstraction is one route via which groundwater discharges from the Kowai Formation aquifers.
- Seawater intrusion is a perceived hazard.

Plan Change 3

Julia Forsyth (ECan – Principal Planner, Timaru) was in attendance and Nic Newman spoke to the paper circulated with the agenda. The purpose of the paper was to advise the committee of the appeals received on Plan Change 3, the impacts these appeals have on the legal status of the rules in PC3, and the next steps in the process.

There has been one appeal received from the South Canterbury Province of Federated Farmers of NZ Incorporated. The appeal relates to that part of the decision (including the plan change provisions) that relate to Schedules 29, 30 and 31 of the plan change. Schedules 29, 30 and 31 of the plan change set out the methodology for updating the flexibility caps, maximum caps, and catchment nitrogen load limits for farming activities, in response to updates to the OVERSEER® model.

The Plan will become operative with the exception of the 'nutrient management rules' until such time as the effect of the appeal has been established. All activities carried out in South Coastal Canterbury must be assessed against the rules in the region-wide section of the Land and Water Regional Plan (Section 5) and the rules in proposed Plan Change 3.

RESOLVED
LWSC16/46

M Kingsbury/A Hayes
"That the reports/information be received."

CARRIED

7. General Business

Briefing on Plan Change 5 at the next meeting.

Meeting on 14 December will be held at the Waihao Marae.

The Chair thanked Cr Kingan (Waitaki District Council) for his input into the Committee and welcomed Cr Holding.

At the invitation of the Chair Suzanne Eddington shared a Karakia

There being no further business the Chair declared the meeting closed at 3.58pm.

AGENDA ITEM NO:	SUBJECT MATTER: Update from Lower Waitaki South Coastal Canterbury Zone
REPORT BY: Bruce Murphy, Regional Representative Nic Newman, Facilitator	
DATE OF MEETING: 14 December 2016	

Purpose: To update the regional committee on progress, current work, challenges and opportunities in Lower Waitaki.

Action Required: Receive the update.

Update from Lower Waitaki

1. The critical things needed to deliver the CWMS targets in the zone are:
 - The Wainono project and ongoing commitment the project
 - Augmentation of Wainono lagoon
 - Irrigation schemes in the zone and their commitment to CWMS outcomes
 - Implementation of Plan Change 3 that is integrated with work in the zone and delivers on the intent
 - The decision on Plan Change 5 and implementation focused on water quality
 - Improved management of Braided rivers to protect their natural character, including better alignment of all aspects of work, including planning provisions
 - Continued community buy-in to the CWMS
 - Good practice from all resource users
 - Moving from a 'seperate project' approach to biodiversity to a 'programme' approach

2. What has been achieved/advanced over the last 6 years is:
 - Raising the profile of Wainono, community buy-in to solutions, planning support and funding for the lagoon
 - Catchment works, community leadership, FEPs, and on-farm work in the Wainono catchment
 - Community ownership and leadership of water management in key catchments
 - Over \$450,000 of biodiversity projects funded and key project on braided river habitat
 - Issues with the Waitaki Allocation Plan have been resolved and gains made relieving pressure on hill-fed streams and providing water for mahinga-kai enhancement
 - New science investigations that respond to community needs and knowledge gaps to better manage the resource

- Community agreement on environmental limits

3. We are currently working on/ will be working on, and the associated challenges are:

- Supporting the integration of actions in the Wainono catchment and parties working on the augmentation of Wainono lagoon. There are challenges around who pays for all the aspects of augmentation, how we monitor its efficacy, and what happens if it doesn't go ahead.
- Providing guidance on Plan Change 3 implementation. The challenge is to make sure that all the work in the catchment continues to pull in the same direction and that plan implementation supports that work and that all industries are involved.
- Supporting community action in the Waihao Wainono catchments and work as part of the Wainono project.
- Supporting the Hakataramea community with actions in their catchment. The challenge is making sure the planning settings for braided rivers, supports the community actions.
- Providing guidance on Plan Change 5 implementation. The challenge will be to keep focused on catchment water quality in the implementation of the plan, integrating this into other work, and supporting community and collective action.
- Providing guidance on the implementation of our integrated monitoring framework. There is a real opportunity for this to increase the effectiveness of what we do, increase community buy-in, and to reduce overlap.

4. The regional committee could add value to the work of our zone by:

- ❖ Bringing all parties into the CWMS and holding onto the breadth of CWMS work
- ❖ Supporting zone-led initiatives through funding, advocacy, and removing barriers

AGENDA ITEM NO:	SUBJECT MATTER: Compliance monitoring summary for 2015/2016
REPORT BY: Michael Hide, Zone Manager	
DATE OF MEETING: 14 th December, 2016	

Purpose:

To provide the zone committee with a summary of the monitoring results for the Lower Waitaki Zone for 2015/2016.

Attached: Lower Waitaki Zone monitoring report 2015/2016

Action:

The committee receive and provide feedback on the monitoring reports for 2015/2016.

Background

In June 2016 the zone committee established some compliance monitoring priorities for the zone. These priorities will guide how monitoring staff focus their efforts in 2016/2017. Given the timing, the attached monitoring results for the 2015/2016 season do not necessarily reflect the priority approach agreed by the zone committee in June 2016.

LOWER WAITAKI 2015-2016 Monitoring Results

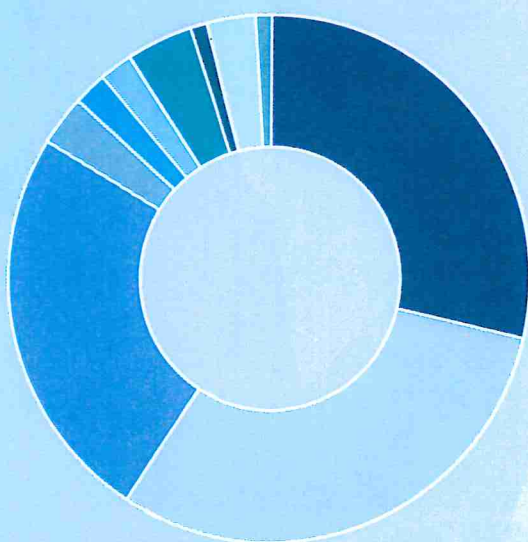
Our goal – to facilitate the sustainable development in the Canterbury Region

We use a range of regulatory and non-regulatory tools to achieve this outcome across land, air, water and coasts. It is everyone's responsibility to comply with the relevant regulatory rules and requirements. To enable this we:

- ◆ **MONITOR** compliance with relevant rules and resource consents in accordance with our statutory responsibilities under the Resource Management Act 1991 (RMA)
- ◆ **ASSESS** compliance with these requirements and
- ◆ **WORK** with property owner or consent holder to achieve compliance and
- ◆ **TAKE** enforcement action where required.

◆ What we monitored...

377 consents



Main types of events monitored

- Groundwater abstraction 28%
- Agricultural discharge 30%
- Surface Water abstraction 24%
- Industrial discharge (air, land and water) 3%
- Install a bore or gallery 2%
- Wastewater discharge 2%
- Works in waterways and coastal marine area 4%
- Stormwater discharge 1%
- Structures (waterways, coastal, other) 3%
- Gravel extraction 1%

What we found...

ACTIVITY	TOTAL CONSENTS MONITORED	PERCENTAGE	ASSESSMENT GRADE			
			A	B	C	D
Water	198	53%	165	13	15	5
Dairy Discharges	114	30%	62	6	38	8
Industrial discharges	25	7%	20	3	2	0
Landuse activities	40	11%	30	4	4	2
Coastal	0	0%	0	0	0	0
TOTAL	377	100%	277	26	59	15

Action Taken

A/B: Good Practice

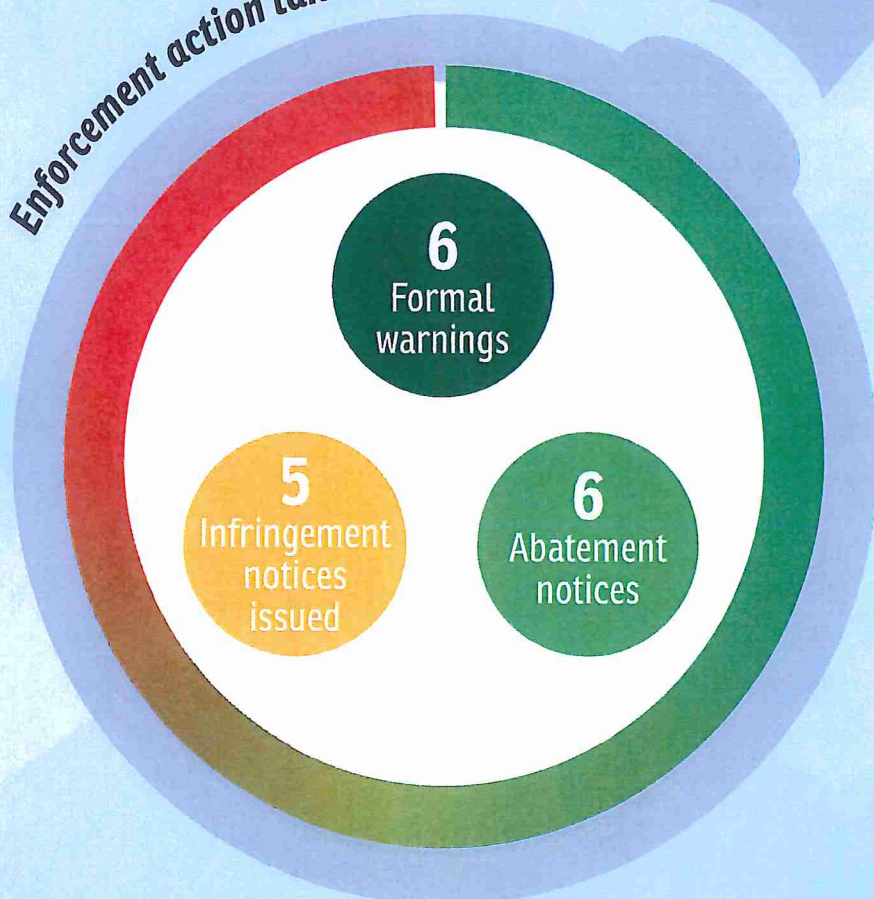
Working with consent holder towards continuous improvement and best practice.

C/D: Compliance issues

Providing advice and assistance and requiring action to be taken as part of an action plan. Actions may be wide ranging depending on the issue.

What we did...

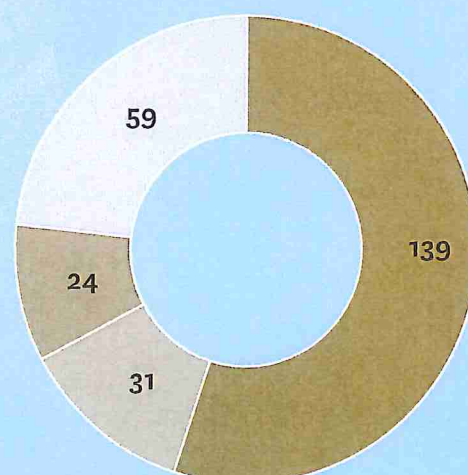
Enforcement action taken...



What our community reported...

Total Pollution Reports by Category

Air 50% Land 19%
Water 14% Other 17%



Of air related pollution reports the majority relate to odour and domestic chimneys

AGENDA ITEM NO:	SUBJECT MATTER: Plan Change 5 Reply
REPORT BY: Devon Christensen	
DATE OF MEETING: December, 2016	

Purpose: To update the Waitaki Zone Committees on the PC5 Section 42A Reply Report

Action: The principal issues addressed in the Reply Report, that are relevant to the Waitaki, will be presented to the committees at their December meetings.

Background:

The PC5 hearing of submissions commenced on 22 of August and concluded on 6 October 2016. The hearing of submissions opened with the Hearing Officers presenting and responding to questions on the Section 42A Report¹. In the following weeks submitters were heard on their submissions.

After the hearing of submissions, the Hearing Officers developed a Reply Report which responds to matters raised in legal submissions and evidence presented to the Hearings Commissioner during the course of the hearing of submissions. The Reply Report recommends further amendments to PC5, on matters not addressed in the Section 42A Report or matters that have been reconsidered subsequent to the hearings of submissions. On 2 December 2016 the Reply Report was made available to the public and can be accessed at:

<http://ecan.govt.nz/publications/general/PC5LWRP-S42A-Reply-Report.pdf>

The recommended amendments included in the Reply Report are intended to assist the Hearing Commissioners in their deliberations on PC5. It should be noted that it is uncertain whether the Hearing Commissioners will choose to accept these recommendations in their final report and recommendations.

The principal issues addressed in the Reply Report, that are relevant to the Waitaki, will be presented to the committees at their December meetings. These issues included requested amendments to:

¹ The purpose of the Section 42A Report is to provide the Hearing Commissioners with a summary and analysis of the submissions made on PC5 and where appropriate, makes recommendations on possible amendments to PC5 in response to those submissions.

- the water quality outcomes and limits tables;
- PC5 policies relating to natural variation, adaptive management and freshwater biodiversity;
- tangata whenua provisions to provide for mahinga kai enhancement;
- permitted activity rule thresholds and permitted activity rules relating to existing water permits;
- reduce the complexity of the rule framework;
- the requirement to reduce to 90% of the GMP Loss Rate in the Hakataramea River Zone and the Greater Waikākahī Zone;
- to the PC5 maps relating to Lake Alexandrina and Benmore Station.

At the Reply Hearing on the 12 December 2016 the Hearing Commissioners will ask questions of the Hearing Officers regarding the content of the Reply Report. The Hearing Commissioners will then deliberate the final recommended amendments to PC5.

Immediate Steps

Agenda item no:

Lower Waitaki Zone Committee Meeting December 14th 2016

Subject	Lower Waitaki Zone Committee Immediate Steps Fund – Biodiversity Project Funding approval.
Author	Kennedy Lange, Biodiversity Officer
Action sought	Approval is sought for the Immediate Steps projects summarised in the Appendices
Recommendations	That the Zone Committee: If satisfied, approve funding for the proposed project

Immediate Steps Programme

The Lower Waitaki Zone committee has initiated a programme of scoping and identifying biodiversity projects that will contribute to meeting the required outcomes for the Canterbury Water Management Strategy (CWMS) for the Lower Waitaki Zone. The availability of this Immediate Steps funding had been promoted by the Zone committee and also through local community groups and publicity produced by Environment Canterbury.

Immediate Steps projects:

There are 23 projects approved to date. Of these, 14 are completed (project actions completed and funds spent), four are partially complete and five are yet to start. We continue to follow up with grant recipients to encourage them to progress the work. We have allocated \$425,853 of the first \$500,000 five year budget for Immediate Steps and have the full \$500,000 available of the second Immediate Steps funding commitment.

Projects for Approval

Application summaries as attached are presented for the following projects:

- Hakataramea Braided River Weed Control

Action sought: Approve funding for the project applications as presented.

Hakataramea Braided River Weed Control Project

Project Details	
Supporting Organisation/Community Group	Hakataramea catchment land owners, (catchment group in development), Zone Committee
Project CWMS Zone	Lower Waitaki
Project Location	Upper reaches of the Hakataramea Valley
Nature of Project	Protection
Habitat Type	Braided Rivers, Hill Country Catchments
Project Aim	<p>To protect braided river and wetland habitats and the species they support from degradation and inevitable loss due to the invasion of willows.</p> <p>Comment:</p> <p>This project is to build on initial investment in the control of willows in the upper river areas by securing ongoing funding over a five year period. This work will include dead spar removal in priority areas and the control of lupins, gorse and broom where infestations fall outside the requirements of RPMS control and are strategically important to maintaining a braided river bed free of woody weed species.</p> <p>It is intended that the project will be integrated with the proposed establishment of a land care group or similar community body that will coordinate the required third contribution to the work.</p> <p>Once funding is approved, detailed planning will be undertaken and agreements established with relevant stakeholders. We will also be seeking contributions from DOC and LINZ where applicable.</p>
Project Outcomes	The extent and functioning of braided rivers and wetland areas is maintained.
Works to be undertaken	<p>Weed control area (ha): ca. 400.00</p> <p>A coordinated holistic weed control program over 5 years</p>

Funding Requested		
From ECAN	From Other Sources	Estimated Total (Applicant)
\$160,000	\$80,000.00	\$240,000.00

Funding			
Project Tasks	Funds Requested	Contributions from Other Sources	Totals
Aerial weed control	\$80,000		\$100,000
Contractors, excavators for dead spar removal	\$40,000		\$50,000
Contractors, ground control of willows, gorse ,broom and lupin	\$40,000		\$40,000
Community advocacy and coordination		\$30,000	\$30,000
Burning dead spar piles		\$20,000	\$30,000
Ongoing surveillance and control to zero density of area cleared for 5 years following control		\$30,000	\$20,000
Totals	\$160,000	\$80,000	\$240,000

Ecological Assessment	
Fundamental Project Criteria	
1. Reflects the Canterbury Biodiversity Strategy's Guiding Principles	
Y	Focuses on protecting and maintaining what remains
	Focuses on restoring what has been lost
2. Contributes to the Canterbury Biodiversity Strategy's Goals (1-6)	
Y	Protects or maintains the health of significant habitats and ecosystems
Y	Restores the natural character of degraded indigenous habitats and ecosystems
Y	Increases the integration and sustainable use of indigenous species in modified environments (e.g. farm, urban, lifestyle blocks).
Y	Enhances the public's awareness, understanding and support of biodiversity
Y	Encourages, celebrates and supports action by landowners and communities to protect, maintain and restore biodiversity
	Improves the range and quality of knowledge and information about Canterbury's biodiversity for its sustainable management
3. Project Viability	
Y	Project is feasible, cost-effective and an efficient use of funds.
Y	Project will realistically achieve outcomes/gains it is aiming to.
Y	Project is sustainable (e.g. any ongoing or future management requirements are identified and affordable).
Y	No other potential costs (e.g. consent costs) that may make the project less viable and/or affordable
4. Landowner Support	
Y	Project has landowner support
5. Eco-sourced Plants	
	Eco-sourced plants being used
	Not applicable
6. Is some or all of the work required under the Regional Pest Management Strategy?	
	RPMS
7. Is some or all of the work required under a District/Regional Council Plan?	
	District/Regional Council Plan
8. Proportion of cost	
100	Protection
0	Restoration
0	Creation
0	Monitoring

Existing Ecological Values

Criteria	Score (0 - 3)	Comments
Representativeness	3	Upper reaches are in relatively unmodified condition and typical of a fine substrate braided river surface. Raoulia, Carmichaleia, Meulenbechia spp
Rarity or Distinctiveness	3	Fine substrate braided river and stream habitat, restricted occurrence. Supports threatened fauna wrybill, black billed gulls, black fronted tern, lowland long jaw galaxid
Diversity and Pattern	2	Site contains a variety of instream freshwater habitats and associated wetlands,
Naturalness	0	
Ecological Context	2	Site includes headwater source streams so includes connected habitat gradient from bouldery steep sub alpine streams and seepages to broad, fine mobile substrate braided river surface.
Size and Shape	0	
Project Protects a Threatened Environment	1	Includes some river margin dryland areas that have <10% remaining
Project Protects a Wetland or Coastal Dunes	3	Valley floor springhead wetlands and seepages associated with main river.
Project Protects Naturally Rare or Distinctive Habitat	3	Braided rivers
Project Protects Rare or Threatened Species	3	Braided river bird species, wrybill, black fronted tern, black billed gulls. Lowland longjaw in this catchment (NZ's most threatened fish species)
Sub-total	20	

Potential Ecological Values (in 10-15 years time – based on likely change)

Criteria	Score (0 - 3)	Comments
Potential Representativeness	3	
Potential Ecological Context	3	
Potential Diversity and Pattern	3	
Sub-total	9	

Other Criteria (non ecological or cultural)

Criteria	Score (0 - 3)	Comments
Legally Protected	1	

Educational or Partnership Value	1	
----------------------------------	---	--

Immediate Steps Criteria	
Criteria	Score (L, M, H)
Identified as a priority site for the zone and contributes to ZIP recommendations.	H
Willow control is specifically identified as a priority action in the ZIP	H

Overall Assessment Scores		
Criteria	Score	Comments
Ecological Assessment Score (Existing and Potential) /39	31	
Cultural	Medium	Extensive area of relatively intact braided river habitat with a diverse range of associated wetlands and tributary streams.
Other Criteria Overall Rating	High	
Immediate Steps Rating	High	Identified as a priority site for the zone and contributes to ZIP recommendations. Willow control is specifically identified as a priority action in the ZIP

Project Map

