



Waitaki
DISTRICT COUNCIL
TE KAUNIHERA Ā ROHE O WAITAKI



Everything is connected
Promoting quality of life through
balanced resource management.



**Notice is given of a Upper Waitaki Zone Water Management Committee Meeting
to be held on:**

Date: Friday, 21 May 2021
Time: 10.30am winter start time
Location: Mackenzie Country Hotel
Twizel

AGENDA

Upper Waitaki Zone Water Management Committee Meeting

21 May 2021

Upper Waitaki Zone Water Management Committee Membership:

Simon Cameron (Chair)
Lisa Anderson
Matthew Bayliss
Richard Subtil
John Sunckell
Joy Paterson
Kieran Whyte
Ross McRobie
Stuart Barwood
Michael McMillan

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 meet the current and future needs of communities for good-quality local infrastructure, local public services, and performance of regulatory functions in a way that is most cost-effective for households and businesses.

(2) In this Act, good-quality, in relation to local infrastructure, local public services, and performance of regulatory functions, means infrastructure, services, and performance that are—

- (a) efficient; and
- (b) effective; and
- (c) appropriate to present and anticipated future circumstances.

(Local Government Act 2002)

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Upper Waitaki Zone Committee Meeting Friday 21 May 2021 10.30am Mackenzie Country Inn meeting room		
Time	Item	Lead
10.00am	Arrivals	
10.30am	Opening Karakia	
	Standing Items Apologies, Minutes, Conflicts of Interest, Matters arising, Correspondence. - Catchment Collective South Canterbury Society Inc. update - Clay Cliffs erosion	
11.10am	Immediate Steps update	Mikaela Farr
11.30am	Zone Committee Action Plan	Janine Roux
11.50am	Zone Facilitator's Report	Janine Roux
12.15pm	General Business	All
12.30pm	Closing Karakia	
	Lunch	

1 REPORTS

1.1 MINUTES OF UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING - 16 APRIL 2021

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Minutes of the previous meeting [↓](#) 

RECOMMENDATION

That the Minutes of the Upper Waitaki Zone Water Management Committee Meeting held on Friday 16 April 2021 be received and confirmed as an accurate record of the meeting.



Unconfirmed MINUTES

Upper Waitaki Zone Water Management Committee Meeting

16 April 2021

**MINUTES OF MACKENZIE DISTRICT COUNCIL
UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING
HELD AT THE MACKENZIE COUNTRY INN, TWIZEL
ON FRIDAY, 16 APRIL 2021 AT 9.30AM**

PRESENT: Chairperson Simon Cameron, Cr John Sunckell, Ms Joy Paterson, Cr Ross McRobie, Cr Stuart Barwood,

IN ATTENDANCE: Janine Roux (Committee Facilitator, Ecan), Chris Eccleston (Ecan), John Benn (DOC), Graeme Clark (Ecan), Sriyan Jayasuriya (Ecan), Ian Lyttle (Ecan), Mikaela Wells (Aquaculture Group), Shaun Thomason (LINZ), Arlene Goss (Governance Advisor).

Before the meeting it was noted that there were only five members present and this did not constitute a quorum, which was six members. It was agreed to go ahead with the meeting without a quorum, but not make any formal decisions.

1 OPENING

The chairman opened the meeting and welcomed everyone.

2 APOLOGIES

COMMITTEE RESOLUTION UPP/2021/86

Moved: Ms Joy Paterson

Seconded: Cr Ross McRobie

That apologies be received from members Lisa Anderson, Richard Subtil, Keiran Whyte, Michael Mcmillan and Matthew Bayliss.

CARRIED

3 DECLARATIONS OF INTEREST

The following amendments to the interests register were requested:

- Joy Paterson is no longer a member of the conservation board.
- Cr Ross McRobie is no longer a member of the community trust.

4 VISITORS

Shaun Thomason from Land Information New Zealand was at the meeting.

5 REPORTS

5.1 MINUTES OF UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING - 19 MARCH 2021

COMMITTEE RESOLUTION UPP/2021/87

Moved: Ms Joy Paterson

Seconded: Cr John Sunckell

That the Minutes of the Upper Waitaki Zone Water Management Committee Meeting held on Friday 19 March 2021 be received and confirmed as an accurate record of the meeting.

CARRIED

5.2 MATTERS ARISING FROM THE MINUTES

Joy Paterson said she has been invited to the Mackenzie District Council trails and parks strategy workshop with Becca.

The chairman has recently attended a meeting with the Lower Waitaki and Ophi Temuka Orari Pareora zone committees to discuss matters of mutual interest. Of concern was the news that Immediate Steps biodiversity funding may be halved following Environment Canterbury's confirmation of their LTP.

Cr Sunckell explained that although this amount could be halved, it may not be restricted to biodiversity projects but could be used for any matters the zone committees wanted to fund, such as setting up catchment groups, or communication with the community. The other half of the money would go into a regional pot for biodiversity funding. This will be an effort to get bigger biodiversity projects fully funded, instead of partly funding a lot of small projects.

Following this discussion, the chairman asked those present to introduce themselves.

5.3 LINZ REPORT

Shaun Thomason from Land Information New Zealand updated the committee on activities Land Information New Zealand (LINZ) were currently undertaking in the Upper Waitaki.

Mr Thomason presented on lake weed control, then on LINZ camping sites including Haldon Arm. His power point presentation is available as an attachment to these minutes.

Discussion took place on the septic tanks at the Haldon camp site. The chairman said there was a question mark around the drain pipes on the septic tanks, which he believed were at lake level. He was concerned that at times of high use the tanks would overflow.

Mr Thomason said this matter was discussed at the Waitaki Lakes Shoreline Committee meeting yesterday and would be followed up. The committee agreed that if the tanks were fully self-contained they would be satisfied there was no danger to the lake, but the state of the tanks needed to be assessed by an expert. This was noted by Mr Thomason.

Cr Sunckell thanked Mr Thomason for attending the meeting and updating the committee on LINZ activities.

5.4 PERMITTED ACTIVITY MONITORING

Land Management Advisor Ian Lyttle, from Environment Canterbury, spoke about permitted activity rules in the upper Waitaki area. His presentation is available as an attachment to these minutes.

Discussion included the new rules related to excluding stock from waterways and natural wetlands. The impact of these rules was discussed by the committee, in particular how they would be applied to land that flooded regularly.

5.5 ZONE FACILITATOR'S REPORT

This report was from Janine Roux, Zone Facilitator, Environment Canterbury. It provided information that may be of interest to the committee that was not covered elsewhere in the agenda.

Discussion of the report included the following matters:

Applications are now open for new zone committee members. The Twizel Update has done some publicity to encourage people to put their names forward for the committee. It was agreed that someone from the Tekapo area, and/or someone from the Ahuriri area would be good.

Janine Roux said members Lisa Anderson, Richard Subtil and herself attended the Ahuriri Community Catchment Group Forum. She reported from this event.

Balmoral Station is running a field day next week.

Cr Barwood asked if the committee would like to contribute to MDC's submission on sustainable freedom camping. It was agreed this would be a good idea.

The Meeting closed at 10.45am and was followed by an informal workshop to discuss the priorities for the coming year.

The minutes of this meeting were confirmed at the Upper Waitaki Zone Water Management Committee Meeting held on .

.....
CHAIRPERSON

1.2 INTERESTS REGISTER

File Reference:

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: Nil

STAFF RECOMMENDATIONS

That the information be noted and updated when required.

DECLARATION OF INTERESTS REGISTER – AS AT 24 MARCH 2021

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, Mackenzie District Council or Waitaki District Council 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

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

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 are to ensure that the information contained in this register is accurate and complete.

Name	Committee Member Interests
Lisa Anderson	Farmer and irrigator in Lake Benmore Ahuriri Arm catchment. Resource consents CRC201984, CRC136698, CRC156110, CRC012017.
Stuart Barwood	Mackenzie District Council Councillor, Chairman Assets and Services committee MDC, trustee of Helwood Trust.
Mat Bayliss	Chairs the Meridian Energy Waitaki Community Fund. Asset Maintenance Manager for Meridian Energy in Twizel. Shareholder of Meridian Energy. Consents held CRC142283
Simon Cameron	Local Merino sheep farmer. Trustee of Ben Ohau Farming Trust. Trustee Cameron Investment Trust. Trustee of Mackenzie Wilding Trees Trust. Trustee Aoraki Mount Cook Museum Trust. Resource consents CRC952244, CRC952245, CRC952267, CRC952268, CRC952269, CRC100234,
Ross McRobie	Shareholding Director of RPM Management Limited, Trustee Bayliss Family Trust. Councillor Ahuriri Ward for Waitaki District Council.
Joy Paterson	Member of Canterbury Aoraki Conservation Board, Trustee of LineTrust South Canterbury. Husband is a Mackenzie District Councillor.
Richard Subtil	Farmer and irrigator in Omarama catchment. Member of Omarama Stream Water Users Group. Committee member of Omarama Airfield. Resource consents CRC010693.1, CRC010694, CRC010727.2, CRC110202, CRC122382, CRC174573, CRC194088, CRC194520, CRC203348.
John Sunckell	Environment Canterbury Councillor, Register of interest held by Environment Canterbury
Keiran Whyte	Te Rūnanga o Moeraki, Employee of Tuna Trap and Transfer Team.
Michael McMillan	Te Rūnanga o Arowhenua.

1.3 CORRESPONDENCE

File Reference:**Author:** Arlene Goss, Governance Advisor**Authoriser:****Attachments:**

1. Letter from Mark Adams [↓](#) 
2. Letter from Anthony Blackstock [↓](#) 

STAFF RECOMMENDATIONS

That the correspondence be received.

The following correspondence is attached:

- Letter from Mark Adams, Catchment Collective South Canterbury Society, dated 19 April, 2021.
- Letter regarding Clay Cliffs erosion from Anthony Blackstock, dated 28 October, 2019.

Mark Adams
Chair, Catchment Collective South Canterbury Society Inc.
c/o Gresson Dorman Solicitors,
Level 1, 24 The Terrace,
Timaru 7910

19 April 2021

To:

OTOP Zone Committee
Upper Waitaki Zone Committee
Lower Waitaki Zone Committee
Timaru District Council
Mackenzie District Council
Waimate District Council
Te Runanga o Arowhenua
Te Runanga o Waihao

Dear councillors/Zone committee members and tangata whenua contacts

This letter provides an update on progress made by the **Catchment Collective South Canterbury Society Incorporated** (CCS/The Society) and outlines our intended next steps.

Over the past few months, the Society has made the following applications or expressions of interest for funding, supported in this endeavor by District Council and ECan grants:

- Three EOIs to the Ministry for the Environment *Freshwater Improvement Fund* seeking support for restoration projects for the Pareora River catchment, Barkers Creek (Waihi River tributary), and Milford Lagoon,
- A grant application to the Jobs for Nature fund for a restoration project in Milford Lagoon,
- A submission on the Environment Canterbury Long Term Plan to provide funding support for catchment group and community activity.

Subsequently, MfE have advised us that the three expressions of interest submitted in February have been unsuccessful. MfE received 178 applications, requesting \$398M from an available funding pool of \$19M. The Pareora project (the largest of the three applications made) would have gone to the next stage of the process if more funds were available.

We are still waiting to hear from DOC on the Jobs for Nature bid for the Milford Lagoon catchment.

Funding opportunities will continue to open up. We expect to know more following Government Budget announcements in mid-May.

In undertaking this work we have also undertaken an assessment of community requirements, which has formed the basis of a Charter and Prospectus for CCS to provide material support and develop leadership for eight or more South Canterbury catchment groups. These documents are currently in draft; but can be shared and discussed on request.

Over the next few months, we will hold meetings with the catchment groups to report back and flesh out our Prospectus. The purpose of this will be to define and clarify member value and build a well-resourced and confident organisation so we can fully resource a response to the challenges we face.

A major part of what we do will be to ensure the catchment groups are fully resourced, and CCS has incorporated and is seeking charitable status, so it can receive memberships and raise money from external partners, sponsors or funders. This will ensure communities can achieve the agency and control required to determine their own environmental journey and work alongside other parties to make meaningful progress.

While money is obviously essential, and is becoming available, it cannot be allowed to become the overriding driver. Our work is about what is ethical and doing the right thing for the community and the environment, so money is just a tool to achieve these things. We recognise that good relationships with Mana Whenua, local government and national agencies will be helpful in many ways. Our efforts will go further, and we will achieve much more effective long-term outcomes, when led from a position of genuine intention and trying to create the best outcome for the environment and our communities in the long term.

We thank the Councils and Zone Committee for support received so far and will provide updates over time. I also welcome the opportunity to present in person, if desired.

Yours Sincerely

Mark Adams



Chair, Catchment Collective South Canterbury Society Inc.

Direct line 0276858184. Email: mark.rocklands@gmail.com

916 Seadown Road
RD 3
Timaru 7973
South Canterbury

28 October 2019

Mr Simon Cameron
Chairman
Upper Waitaki Water Zone Committee
Ben Ohau Station
Glen Lyon Road
Twizel

Dear Simon

Re: The Erosion of Clay Cliffs, Omarama

In the 2019 October Omarama Gazette there was a report on the erosion of the Clay Cliffs within the Queen Elizabeth II Reserve, adjacent to the Ahuriri River.

In the report a Mr Clarke from Environment Canterbury made the statement that “the erosion and deposition occurring in the river were natural and vital to the maintenance of the braided nature of the river.”

Unfortunately, this comment by Mr Clarke has demonstrated two misunderstandings and the purpose of this letter is to highlight and clarify matters contained in his statement.

First, the Ahuriri River was never a braided river as exemplified by the larger Canterbury braided river systems. At the Ahuriri Conservation Order hearings in the late 1980's and early 1990's the Blackstocks employed a NIWA scientist Dr Stephen Thompson who dispelled this conjecture of a 'braided river.' Dr Thompson had been employed by the Ministry of Works to do the hydrology survey and final report on the Ohau River as part of the Upper Waitaki Power Project. Dr Thompson was very familiar with the different rivers in the upper waitaki catchment and his report on the nature of the Ahuriri as a channel without multiple braiding was accepted by the presiding judge in the Environment Court, Judge Skelton. Dr Thompson's evidence was never questioned or challenged by any other authority present at the hearing. Photographic evidence retained in the Blackstock records support the fact that the Ahuriri River was not a braided river.

Secondly, subsequent braiding of the Ahuriri has been the result of two major factors.

1. Instream infestation by crack willow
and
2. Human interference.

In relation to (1) Mr Bernard Thomas, the then owner of Killermont Station during the 1950's, warned the Waitaki County Council (*WCC responsible for the management of rivers/streams within their district boundaries before the establishment of the Waitaki Catchment Commission and Regional Water Board*) about the increase in willow growth within the single channel on more than one occasion. His forecast proved correct and he went onto witness the development of further channelling outside the one main channel. Mr Thomas' request for action on willow removal was ignored and it was not until 2003 that the

Department of Conservation began instream willow clearance through Project River Recovery.

When one considers the proliferation of willows at the river outlet to Lake Benmore and a similar scene at the junction of the Henburn Stream with the river, this conservation department project has been an abject failure. I may also add that the Ahuriri channel that the Henburn discharges into never existed prior to 1942 and its development over time was due to the creation of a stock water race, originating at the Clay Cliffs and running northwards towards the Henburn Road. Parts of this water race still exists today.

On a personal note, I caught my first trout in the Ahuriri, aged five, at a location between Killermont and Birdwood Stations and at that time the river flowed in one single channel.

In relation to (2) the erosion at the clay cliffs has been as a consequence of human intervention in the flow dynamics of the river.

Historically, the narrowest section of the Ahuriri in the vicinity of the clay cliffs was so bank stable that the Aubrey family who owned both Berwin (*on the Broken Hut road*) and Clay Cliff Stations constructed a stock swing bridge at this particular location, enabling the transfer of stock from one property to the other over the shortest possible route between both properties. This was not the only bridge of a similar structure built across the river. Prior to the raising of Lake Benmore a stock bridge existed in the gorge between Bog Roy and Totara Peak Stations.

The entrance to a water race taking water from the Ahuriri over to the Omarama Stream is located on the eastern bank of the river (*nearest to SH8*), and immediately downstream of the 'narrows' over which the stock bridge extended. In fact two water races exist and there have been times when both races conveyed water to Omarama Station, Tara Hills Station and the Omarama Stream.

To facilitate entry of water flow into the race entrances a shingle embankment was constructed. This embankment required ongoing maintenance and reinstatement, especially after high flows or flooding. Finally, a very heavy rock weir (*approximately 30 metres downstream of the stock bridge*) was established across the entire main flow creating a large pond of water to assist with the diversion of water into both races.

The instream diversion structures produced the following consequences:-

- (a) The abutment to the stock bridge on the west bank (*cliffs side*) was continually eroded until the stock bridge collapsed into the river and
- (b) Further downstream the river was diverted toward the high ground fronting below the cliffs, resulting in serious erosion and leaving vertical clay faces in excess of 20 metres high.

During the period of the conservation order on the Ahuriri, Mr Robert Aubrey, the then owner of both Berwin and Clay Cliff properties approached me and informed me as to the effect both diversionary works to supplement water race flows had on the destruction of the stock bridge. Mr Aubrey advised me that he was never consulted about these instream river works, a legal requirement for consents (if any were ever granted) to be issued. There was certainly no consultation with Riverside owners C and R Blackstock (*again a legal requirement*) either, their property downstream and in turn this property was affected by redirected river flows. For Mr Tony Aubrey, son of Mr Robert Aubrey, twice replaced sections of his river boundary fence during his tenure of the Clay Cliffs property, all due to the insertion of this rock weir.

I now return to my consultation with Mr Robert Aubrey. Mr Aubrey made several complaints to the Chairman of the Waitaki Catchment Commission, Mr Joseph Cameron (also Mr Aubrey's brother-in-law) regarding these unadvised river works but the Catchment Commission did not acknowledge or act upon Mr Aubrey's complaints. It was with real frustration that Mr Aubrey watched the ongoing destruction of the ground supporting the western stock bridge abutment to the point where, eventually, the bridge collapsed into the river so vital to their farming operations. The Waitaki Catchment Commission as the statutory authority failed in its duty to address the legitimate complaints and concerns of Mr Aubrey. At the time of our meeting Mr Aubrey presented me with a summary note of the main points contained in the above two paragraphs, a summary I still retain.

In summary, and pertinent to Mr Clarke's statement the deposition of clay soil in the Ahuriri at the Clay Cliffs is not natural, or vital, to the maintenance of the river, braids or no braids. The forced erosion that has occurred at the base of the clay ('cathedral') formations represents a major scar on this landscape and what has been lost to the river can never be reinstated. Family connections with this location go back to 1924 and our personal observations concur with those made by Mr Robert Aubrey. Recent development of eroded areas as a consequence of ongoing river incursion has increased the potential for accident for any unwary visitor.

I urge that the content of this letter is shared with all members of The Upper Waitaki Water Zone Committee. Also, I am willing to answer any questions or provide further information if requested.

Yours sincerely

Anthony Blackstock

1.4 IMMEDIATE STEPS BIODIVERSITY FUNDING 2020-21

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Immediate Steps Projects 2020-2021 [↓](#) 

PURPOSE OF REPORT

This report is from Mikaela Farr, Land Management and Biodiversity Advisor, Environment Canterbury.

This report provides information on the progress of the 2020 – 2021 Immediate Steps Biodiversity Funding in the Upper Waitaki zone.

STAFF RECOMMENDATIONS

1. That the report be received.

2020-2021 Immediate Steps projects



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Project: Balmoral Wetland Protection

Location: Balmoral Station, Tekapo

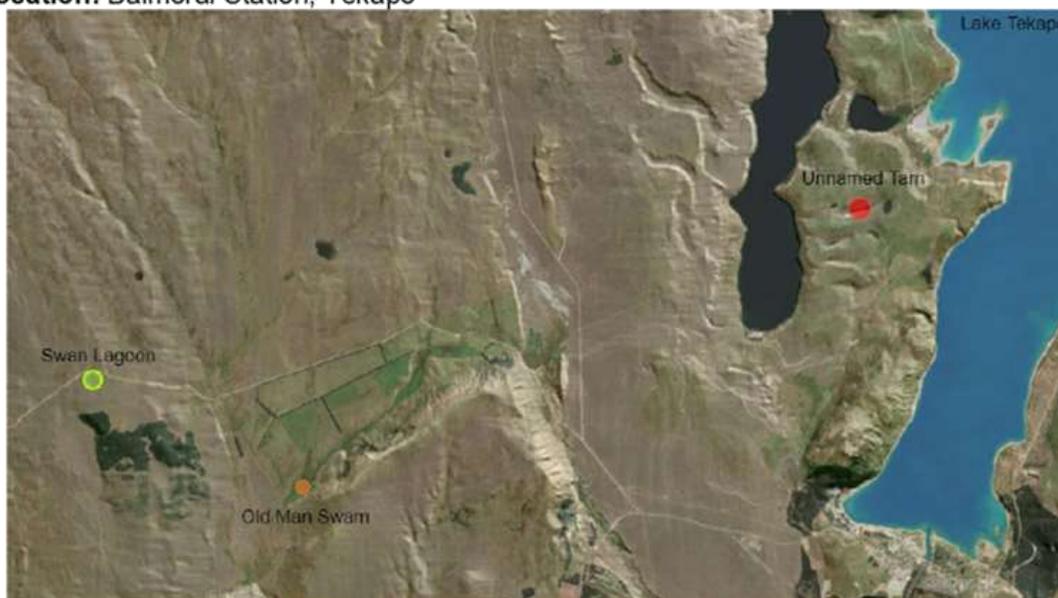


Figure 1. Location of tams and wetland for fencing on Balmoral Station

Description: Two tams and a large wetland (Old Man Swamp) have been identified on Balmoral Station in which the fencing has been completed. The tams are fully excluded from stock, and the wetland has a 2-wire electric fence.

Aim: To protect tams and wetland from stock damage and weed spread

Project Works:

Swan Lagoon 750m 7-wire sheep fencing



Figure 2. Swan lagoon proposed fencing.

Project Outcome:

Swan Lagoon 750m 7-wire sheep fencing completed for full stock exclusion. Photos are taken at the South eastern corner of the fence line providing a full view of Swan Lagoon.



Project Works:

Unnamed Tarn 800m 7-wire sheep fencing



Figure 3. Unnamed tarn proposed fencing.

Project Outcome:

Unnamed tarn 800m 7-wire sheep fencing completed for full stock exclusion. Photos are taken at the South west corner of the fence line.



Project Works:

Old Man Swamp 2300m 2-wire cattle fencing, top wire hot



Project Outcome:

Old Man Swap 2300m 2-wire cattle fencing with top wire hot completed. Photos are taken at the centre point of the proposed fence line directly opposite shelter belt.





Overall, Balmoral Station completed a total fencing of 3,850 metres with the funding allocated. Since completion, an increase in black stilts has been monitored at Swan Lagoon and future monitoring is in place.

Completed Funding Breakdown:

<i>Council Contribution</i>	\$28,306.00
<i>Landowner Contribution</i>	\$14,154.00
<i>Total Project Funding</i>	\$42,460.00

Project: Glenmore Station Fencing

Location: Glenmore Station, Tekapo

Description and Aim: Glenmore Station fencing was approved and planned for the 2018-2019 and 2019-2020 financial years. Lake Alexandrina, Lake Murray and Stoney, Tui and Grebe Tarns were planned to be fenced.

Project Update: Lake Alexandrina and Grebe tarn fencing has been completed but due to COVID-19, Lake Murray and Stoney and Tui Tarns were unable to be completed by the end of the 2019-2020 financial year.

Due to tenure review still in process on Glenmore Station, it has been agreed that the two unnamed tarns are left out of the contract. QEII has withdrawn from contributing one sixth of the funds. Glenmore have agreed to provide the full one third contribution for the funding agreement. In the interim, funds will only cover the original proposal of fencing Lake Murray, Stoney, and Tui Tarns.

Lake Murray will be fenced in the 2020-2021 year and Stoney and Tui Tarns will be fenced in the 2021-2022 year.

Project Works:



Figure 4. Proposed fencing for Stoney, Tui and unnamed tarns.



Figure 5. Proposed fencing for Lake Murray.

Project outcomes:

As seen in the below images the fencing around lake Alexandrina has been completed along with the Grebes tarn however photos have not been taken for this site.





Ongoing work:

Lake Murray still to be fenced:



Stoney and Tui Tarn still to be fenced:





Project: Upper Ohau Landscape Weed Control

Project Location: Dobson River, Lake Ohau

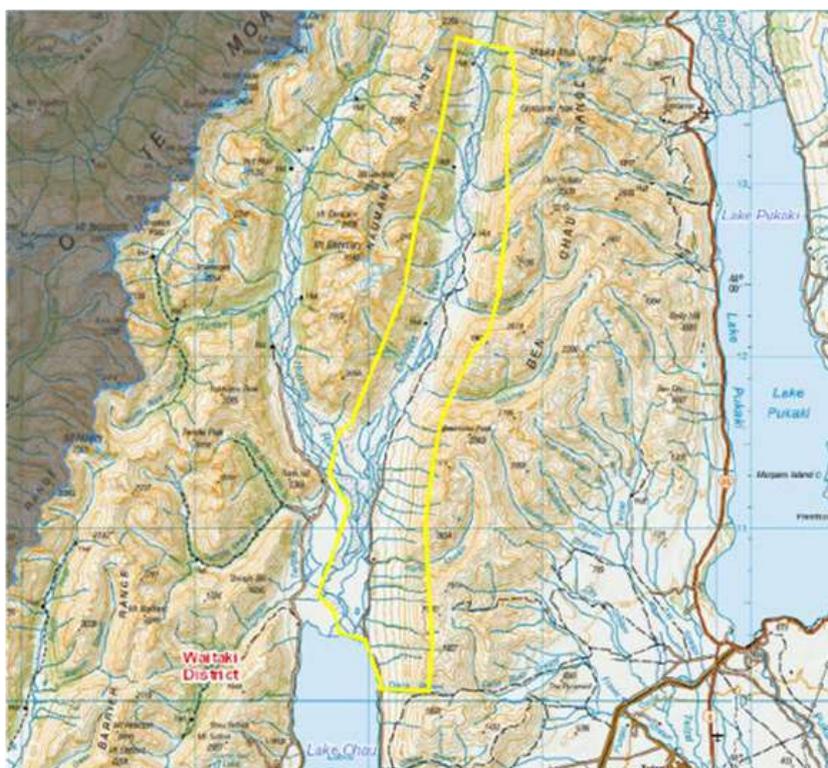


Figure 6. Upper Ohau Landscape Weed Control project area.

Description: Significant additional funding from Land Information New Zealand (LINZ) and Environment Canterbury (ECan) has enabled the extension of the work programmed for 2021. This is on top of existing contributions from Department of Conservation (DOC), LINZ and the landowner. The initial amount allotted from the IMS fund was \$45,000 in 2019-2020, \$17,000 in 2020-2021 and \$11,000 in 2021-2022.

Aim and Works:

Willows – a massive push on willows was undertaken this year. All willows in the riverbed, river delta and Glen Lyon wetlands have been controlled.

Lupins – Scattered infestations that were controlled last year were followed up and showed a very good kill rate was achieved. The focus this year was to search for and treat outlier populations in the main riverbed and wetland areas, and to establish a buffer on dense infestations to prevent seed deposit into the main riverbed. Additional funding from LINZ and Environment Canterbury Biosecurity meant large areas of core lupin infestations were also controlled.

- A total of 1800 ha of riverbed and wetland was aerially grid searched with infestations of willow and lupin being controlled as they were found.
- To establish a lupin free buffer, 49ha of dense lupins were controlled on the river margin.
- Dense areas of core lupin and willows were controlled in the delta area an Glenlyon wetlands, 141ha.
- Ground control of outlier lupin patches and buddleia, 15ha.

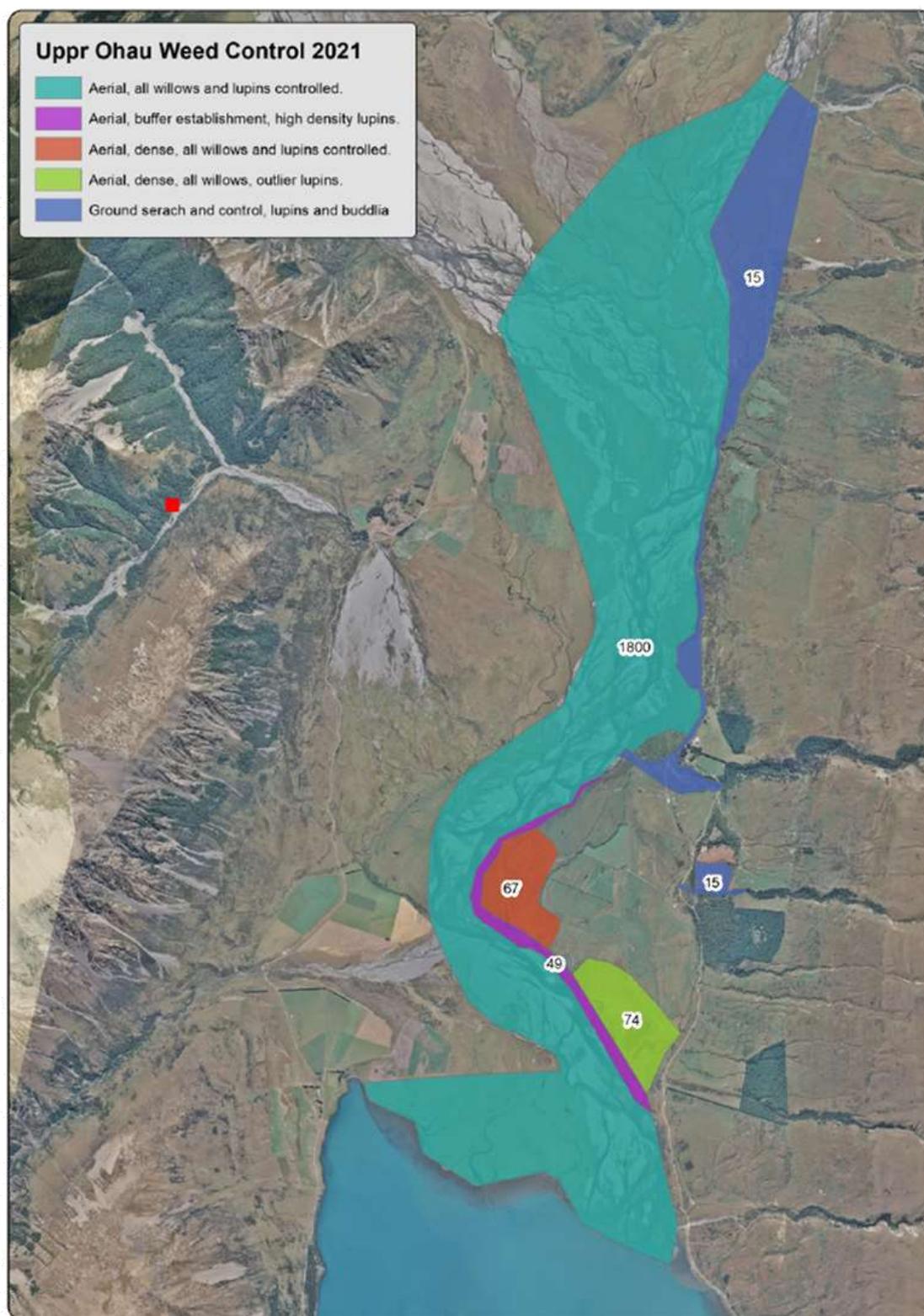


Figure 7. Areas controlled 2021.

Table 1. Funding breakdown for Upper Ohau Weed Control from 2019-2020 to 2022-2023.

Yearly Breakdown	2019-2020				2020-2021					
	Ecan	LINZ	DOC	GLS	Ecan	Ecan Wetland	Ecan Biosecurity	LINZ	DOC	GLS
Buddleia Heli	4000									
Buddleia Ground				2000	7000					
Willow Heli	10 000		10 000		10000	5000			15000	
Lupin Heli and ground	10000	15300			8000		10000	30000		
Elderberry Heli	10000	1 000								
Misc Ground	11 000			6 000	1000					4000
Cotoneaster										
Elderberry ground					1000					
	45000	15300	10000	8000	27000	5000	10000	30000	15000	4000
			Total	78300					Total	91000

2021-2022				2022-2023			
Ecan	LINZ	DOC	GLS	Ecan	LINZ	DOC	GLS
2000							
5000				3000			
5000	30000			7000	30000		
3000							
			4000				
5000							
1000							
21000	30000	0	4000	10000	30000	0	0
		Total	55000				40000

Project: Lake Alexandrina Conservation Trust Native Planting

Project Location: Lake Alexandrina- West Creek, Tekapo

Description and Works: The main project is the planting of West Creek (Figure 8). The Conservation Trust worked with Glenmore Station to deer fence West Creek and the trust wants to plant natives along the creek. Supporting community groups is a great way to give back to the community and the Conservation Trust has had great success planting natives in the past.

Aim: To enhance riparian area and provide shade to stream

Funding Breakdown: Immediate Steps Fund will provide the money for the native plants for West Stream (\$2800), Spray material (\$800) and additional planting (\$1000), a total of \$4600. The in-kind workday costs cover the 1/3 of the total cost.



Figure 8. LA Photo 1- West Creek deer fenced and ready for native planting.

Ongoing Work:

Currently Lake Alexandrina Conservation trust has planted a total of 1,000 Carex ectors alongside West Creek. After a visit, it was determined that weed control and maintenance of the area would be required before any more planting was continued. Since this visit there has been two worker bee days that have prepared the area for further planting.



Project: Ahuriri Pass Old Man's Beard Control (Two Minor projects)

Description:

To control Old Man's Beard within the Ahuriri Pass to prevent further spread.

- Helicopter spraying of Old Man's Beards in the Ahuriri Pass along Backyards Road and Omarama Otematata Road.
- Boom and spot spraying using Metsulfuron.
- Heliventures to supply chemical.

Helicopter specifications

Use nozzles that produce 'very coarse' droplets (approximate VMD = 400 microns).

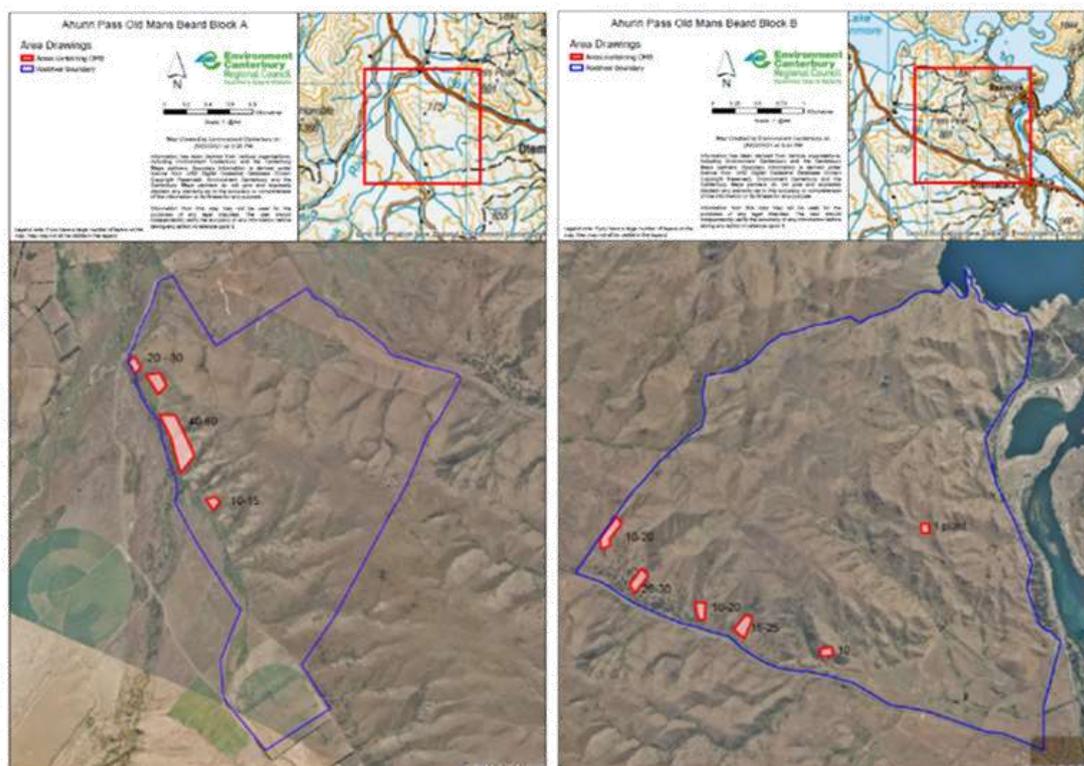
Spray booms should not exceed 80 percent of the rotor length.

Apply at spray at 400 litres per hectare.

Use the half overlap-opposite path technique to ensure both sides of trees are covered.

Release the herbicide at a height of 3 – 4 m above the canopy if possible.

Funding Breakdown: The project was split into two separate projects identified in the maps below as Ahuriri Pass Old Man's Beard Block A and Ahuriri Pass Old Man's Beard Block B. Both projects were allocated a total of \$5,000 to control the areas as identified on the maps below. The spraying has been completed and once flowering season is back a follow up will be made.



Project: Quailburn Bog Pine Protection (Withdrawn project)

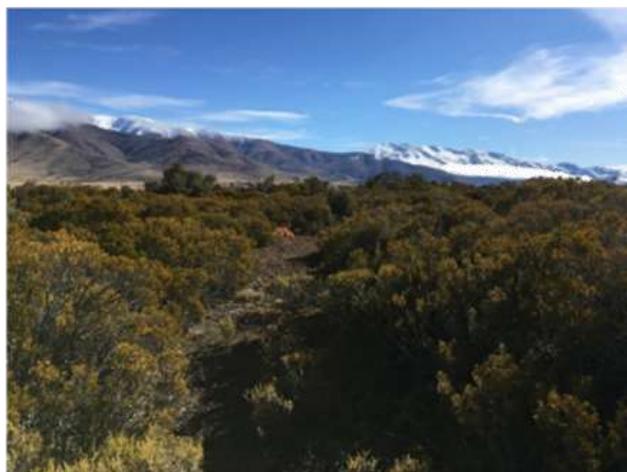


Figure 9. Bog pine habitat (*Halocarpus bidwillii*) located on Bellfield Station.

Location: Quailburn Station, Omarama

Description: About 2000 hectares of this unique habitat remains. This is a naturally uncommon ecosystem. Bog pine (*Halocarpus bidwillii*) is an endemic plant to New Zealand. Quailburn bog pine is contiguous with the large Ben Dhu scientific reserve, together which make them the largest block of bog and celery pine scrub in the Mackenzie Basin. The area provides habitat for threatened flora - *Lepidium solandrii* (Threatened - Nationally endangered) and *Carmichaelia crassicalis* - (At risk - declining) and is an ecosystem that has been severely reduced in size.

Progress Update: Proposed project was withdrawn and was not used as one of the projects for this year's financial funding.



Figure 10. Proposed 7-wire sheep fence at Quailburn station to protect bog pine habitat.

Project: Spring Creek Willow Control (Withdrawn project)

Project Location: Glenbrook Station, Twizel

Description: The project is in addition to a wider Fonterra 50 catchments project. The springs at the headwaters of Spring Creek are a collection of springs coming from a bank and are important to protect. Enhancement of Spring Creek along with willow control will help ensure the protection of the springs.

Progress Update: Proposed project was withdrawn and was not used as one of the projects for this year's financial funding. This was due to an overlap with Fonterra funding in which the landowner did not want to proceed with.



Figure 4. Spring Creek willow control and springs

Overall outcomes:

As at the end of this financial year, there will be three completed IMS projects: the Balmoral wetland Protection and the two Ahuriri Pass Old man's beard control projects. Three ongoing projects being the Glenmore Station fencing, Upper Ohau Landscape weed control and the Lake Alexandrina Conservation trust planting. Finally, two projects have been withdrawn, the Spring Creek willow control and the Quailburn Bog Pine protection.

A review is being gathered to finalise how much funding is left for this financial year. Once this has been finalised an update on this allocation can be provided.

1.5 UPPER WAITAKI ZONE COMMITTEE ACTION PLAN

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: Nil

PURPOSE OF REPORT

This report is from Janine Roux, Zone Committee Facilitator, Environment Canterbury and provides information on the Zone Committee's action plan for 2021 - 2024.

STAFF RECOMMENDATIONS

1. That the report be received.
2. That the Zone Committee agrees to what is in the draft action plan as their actions for the next three years.
3. That the Zone Committee agrees to the following next steps:
 - (a) The draft action plan goes in for graphic design.
 - (b) The designed copy is circulated for feedback via email.
 - (c) Once feedback is collated and the plan updated, the final draft will be ratified at the following Zone Committee meeting.

BACKGROUND

The confirmed changes to the Terms of Reference for zone committees aims to provide committees with clarity on their purpose and to shift their focus to implementation.

Zone Committee Action Plans have been introduced as part of the new Terms of Reference to help Zone Committees focus on the actions they can advance in their respective zones over a 3-year timeframe. When developing Action Plans, Zone Committees have been asked to work within their refreshed Terms of Reference, the CWMS and Targets, and the Letter of Shared Priorities agreed by Environment Canterbury and local councils. They are also to be guided by Iwi Management Plans, Zone Implementation Programmes and their Addendums, and associated community engagement and feedback.

An Action Plan template has been created and includes the key features required for the Action Plan, including:

- a. The CWMS outcome.
- b. The refreshed Zone Committee purpose and functions (2020).

- c. The Shared Priorities of Environment Canterbury and the respective local council/s (and Rūnanga as and where desired) for the Committee.
- d. The 3-5 priority actions for the zone committee 2021–24, and a statement on how progress will be measured for each priority.

DISCUSSION

Following on from workshops held with the Zone Committee over the past three months, a draft action plan has been documented and circulated to committee members.

Feedback is sought on the wording, actions, and proposed template layout.

NEXT STEPS

Upon agreement that the draft action plan is a true reflection of what the zone committee would like to achieve over the next three years, the following steps shall be taken:

- The draft action plan goes in for graphic design.
- The designed copy is circulated to zone committee members for feedback via email.
- Once feedback is collated and the plan updated, the final draft will be ratified at the following Zone Committee meeting.

1.6 ZONE FACILITATOR'S REPORT

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Essential Fresh Water Update May 2021 [↓](#) 

PURPOSE OF REPORT

This report is from Janine Roux, Zone Facilitator, Environment Canterbury.

This report provides information that may be of interest to the Zone Committee that is not covered elsewhere in the agenda.

STAFF RECOMMENDATIONS

1. That the report be received.

1. LWRP Proposed Plan Change 7 update

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).

A hearing has been held and the hearing Panel are currently deliberating on its recommendations to Council. It is anticipated the Hearing Panel's recommendations will be with Council mid-2021.

For more information, go to:

Plan Change 7 and Plan Change 2 - What you need to know | Environment Canterbury (ecan.govt.nz).

2. Essential Fresh Water update

Environment Canterbury have provided a broad overview of updates relating to Essential Freshwater Package Implementation (see attachment). These updates will be ongoing.

3. School engagement

Following on from the Action Plan discussion, initial conversations have been made with Twizel Area School, Environment Canterbury's Enviro Schools advisor, Manaaki Whenua - Landcare Research and Science Hub. Further discussion is needed on proposed focus and next steps.

Examples of Te Reo based classroom resources -

<https://www.sciencelearn.org.nz/resources/3000-wetland-repo-connections-ecological-and-cultural-perspectives>

4. Next meeting

Propose to have June meeting online.

5. Updated Action List

The Action List below updates the committee on progress on items identified at previous zone committee meetings in 2020 and 2021. Items that have now been completed are not included in this list.

Upper Waitaki Zone Committee – March 2021 Action list (updated from March 2021)

Date of meeting	Action	Who	Status
19 March 2021	Request occupancy numbers from Lake Ruataniwha Camping Ground for November to January 2020/2021 to compare with previous year's numbers.	Janine Roux	Work in progress
19 March 2021	Environment Canterbury staff to investigate whether Loch Cameron can be added to the schedule of contact recreational water quality testing.	Shirley Hayward, Environment Canterbury	Work in progress
19 March 2021	Send letter of thanks to Tony Ritchie of Lake Ruataniwha Camping Ground for his efforts managing the portable toilets.	Simon Cameron	Work in progress
16 October 2020	Continue conversation with LINZ on the control of Oxygen Weed in the Waitaki Lakes. Approach LINZ to present drive results to the Zone Committee	Janine Roux	Completed
16 October 2020	Initiate conversation with Benmore Irrigation Company and encourage them to show leadership in the Ahuriri catchment by going beyond Good Management Practice for nutrient losses.	Janine Roux and John Sunckell	Not progressed
16 October 2020	Recommend to Environment Canterbury that Permitted Activities are monitored and that Management Plans are in place in the Ahuriri Catchment.	Janine Roux	Completed update report given in April

	Also, that there is an increased focus on compliance monitoring in the Ahuriri catchment		
16 October 2020	Report back to Zone Committee on whether there is an increased risk of TLI limits for the Ahuriri Arm of Lake Benmore being exceeded after exploring any differences between the modelled assumption.	Graeme Clarke	Work in progress – to be presented in October
18 September 2020	Provide an update to committee in early 2021 on Lake Ruataniwha <i>E. coli</i> and related actions including progressing long-term solution for public toilets	Zone Facilitator, Zone Manager	Completed – Ruataniwha working group reconvened in May
19 June 2020	Investigate issues within Twizel Riverbed and responsibilities	Zone Facilitator	Completed
19 June 2020	Environment Canterbury works with farmers in Ahuriri and Omarama catchment to understand and make better use of the local data, with the results shared with farmers and the zone committee	Environment Canterbury (Graeme Clarke)	Work in progress
19 June 2020	Update on the Lake Alexandrina Management Plan to be included in Facilitators report	Tami Woods	Completed
21 February 2020	Concern was expressed about a lack of representation on the committee from the north of the basin. To follow-up with the community board and other contacts to see if there were people that could help bring issues from the north to the committee table.	Tami Woods	Ongoing- Intent is to continue building this relationship.
20 September 2019	Committee recommends that DOC commission a survey report	Jeremey Severinsen	Jeremy Severinsen had

	around lake Middleton and then return to the Committee for a discussion around next steps		advised that he would pay for a survey and had been in touch with Alastair Ensor who represents the landowner. He recommended that the zone committee contact Alastair to follow-up.
20 September 2019	The Committee recommends that Jeremy Severinsen draft a formal report on DOC timing and plans around the Drylands Heritage Area with how it aligns with the Mackenzie Trust and the MDC District Plan for November.	Jeremy Severinsen	Request passed onto Dave Wilkins (DOC) at the June 2020 meeting
17 May 2019	Changes to Ahuriri delta – find out whether there is new LIDAR or other data that provides new information on build-up of the delta and sedimentation of the lake. If new data available, then advise committee and indicate whether this can be analysed and brought to the committee.	Graeme Clarke	Work in progress



Contents

- Overview of the changes in regulations
- Overview of ECan workplan for next 2-3 years
- Key points
 - How / when we need to engage with community



The Government's Essential Freshwater package

Aims to:

- Stop further degradation of freshwater
- Improve water quality within five years
- Reverse past damage to ecosystems and waterways
- Includes fundamental concept of Te Mana o Te Wai which recognises the vital importance of water



The Package

1. National Policy Statement for Freshwater Management (2020)
2. National Environmental Standards for Freshwater (2020)
3. Stock Exclusion Regulations (2020)
4. Measuring and Reporting of Water Takes (2010)



The Package

National Policy Statement for Freshwater Management

- Sets national outcomes and policy direction for freshwater management
- Local authorities must notify new freshwater plans by the end of 2024 to give effect to new requirements

National Environmental Standards for Freshwater

- Contains rules / standards to regulate activities that affect freshwater
- Councils may have more stringent rules in their plans



The Package

Stock Exclusion Regulations

- Apply in addition to requirements in a resource consent
- A more stringent rule in a regional plan prevails over these regulations
- Within 3 metres of rivers and lakes and within natural wetlands
- Apply to cattle, deer and pigs, sheep not included

Water Measuring and Reporting

- Regulations relating to consented water takes
- Moving to real time measuring and reporting data on water use.



Te Mana o te Wai Hierarchy of Obligations

Freshwater must be managed in a way that prioritises:

1. Health and wellbeing of water
2. Health needs of people (drinking water)
3. Ability of people and communities to provide for their social, economic and cultural wellbeing



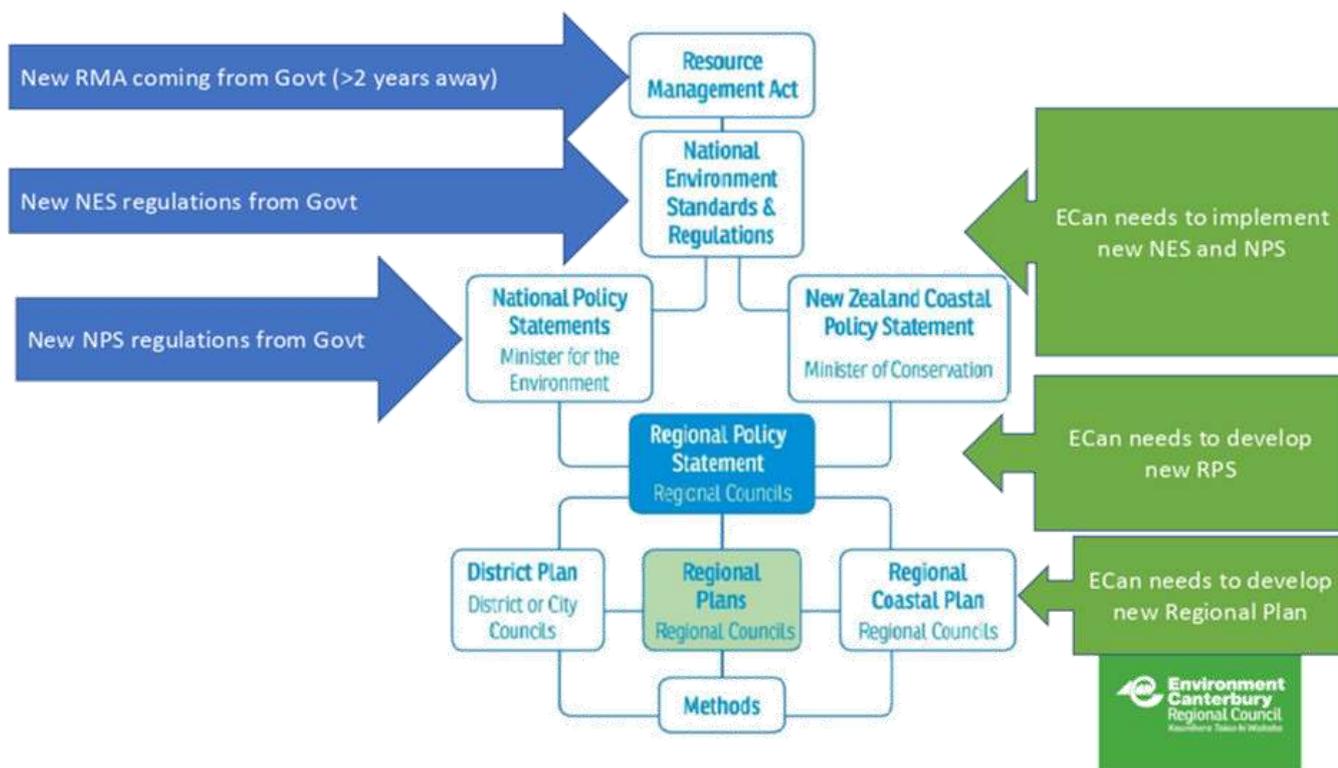
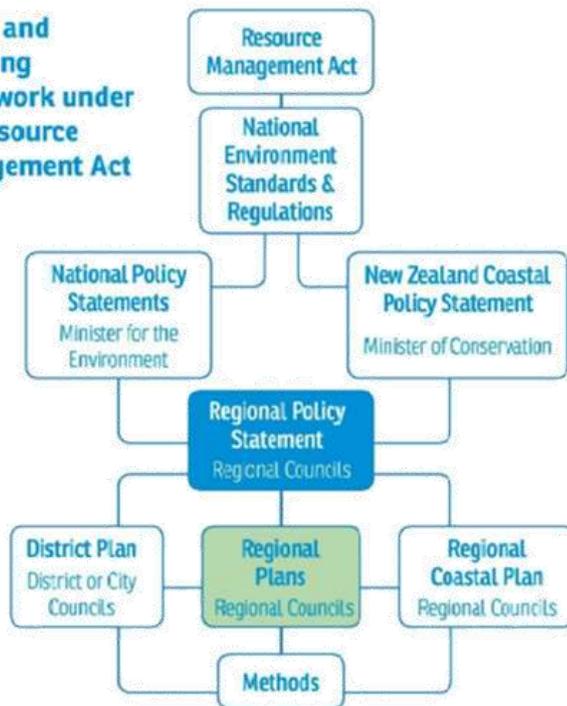
Te Mana o te Wai Hierarchy of Obligations



A lens through which to view all matters and decisions relating to freshwater



Policy and planning framework under the Resource Management Act



NES and NPS changes

New NES & NPS regulations	New, Significant Different or Modified regulation for Canterbury?	Status / Plans
Synthetic N Cap	New	Awaiting national guidance from Wellington. Planning information and implementation campaign for 21/22
Freshwater Farm Plans	Significantly different	
Wetlands protection	Modified	Incorporating new regulations into existing planned campaign programmes.
Intensive winter grazing	Modified	
Stock exclusion	Modified	
Land use intensification	New	Provide information to community on when consents for these activities required. Consents for these activities processed as received.
Feedlots & holding areas	New	
Fish passage	New	Currently assessing approach to implementation of these requirements
Water metering	Modified	

Developing a new Land & Water Regional Plan

- A replacement for the current Land & Water Regional Plan needs to be notified before Dec 2024
- In addition, ECan needs to update the Regional Policy Statement (RPS) and the Coastal Plan
- High level timeline:
 - 2021: developing approach with Ngāi Tahu / establishing scope
 - 2022: establish policy approach / directions
 - 2023: limits & targets developed / plan drafted
 - 2024: formal consultation process



Key points

- A large amount of changes to action
- Consultation on the review of the LWRP will be tailored to meet timeframes, drawing on previous community engagement
- ECan and community need to use our time / efforts wisely
- ECan will be developing a timetable / process with industry / sector groups / zone committees on what / how / when we engage to develop new rules and how we implement these rules
- This is the status today – but things are likely to change



Engaging with Zone Committees on Essential Freshwater

When	Proposed update
Zone Committee meetings mid May onwards	Essential Freshwater: <ul style="list-style-type: none"> • Overview & update • Engagement Framework
Zone Committee meetings – TBC	Strategic Approach and Plan Development
Zone Committee meetings – TBC	Te Rōpū Tuia Governance, Partnerships & Engagement: Runanga Engagement
Zone Committee meetings – TBC	NES/NPS Implementation: Progress Update