



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, 18 September 2020
Time: 9.30am to 10.30am
Location: Community Hall
Otematata

AGENDA

Upper Waitaki Zone Water Management Committee Meeting

18 September 2020

Upper Waitaki Zone Water Management Committee Membership:

Simon Cameron (Chair)
Lisa Anderson
Matthew Bayliss
Richard Subtil
John Sunckell
John Wilkie
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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- 1 OPENING**
- 2 APOLOGIES**
- 3 DECLARATIONS OF INTEREST**
- 4 VISITORS**

5 REPORTS**5.1 MINUTES OF UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING - 17 JULY 2020**

Author: **Arlene Goss, Governance Advisor**

Authoriser:

Attachments: **1. Minutes of previous meeting on July 17, 2020** [!\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\)](#) 

RECOMMENDATION

That the Minutes of the Upper Waitaki Zone Water Management Committee Meeting held on Friday 17 July 2020 be received and confirmed as an accurate record of the meeting.



Unconfirmed MINUTES

Upper Waitaki Zone Water Management Committee Meeting

17 July 2020

**MINUTES OF MACKENZIE DISTRICT COUNCIL
UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING
HELD AT THE MERIDIAN ENERGY MEETING ROOM, TWIZEL
ON FRIDAY, 17 JULY 2020 AT 9.30AM**

PRESENT: Chairperson Simon Cameron, Matthew Bayliss, Richard Subtil, Cr John Sunckell, John Wilkie, Joy Paterson, Kieran Whyte, Cr Ross McRobie, Cr Stuart Barwood, Michael McMillan

IN ATTENDANCE: Tami Woods (Ecan Facilitator), Chris Eccleston (Ecan), Ian Whitehouse, Brad Waldon-Gibbons (Ecan), Jenna Hughes-Games (Ecan), Ian Lyttle (Ecan), Rick Ramsay (Alpine Salmon), Ruth Grundy (reporter from Omarama Gazette), Arlene Goss (Mackenzie District Council – Governance Advisor), Robert McIntyre, Rebecca McIntyre, Carey-Mai McIntyre (Buscott Station), Alan Campbell (Twizel)

1 OPENING

Michael McMillan opened the meeting with a karakia.

Mat Bayliss welcomed the committee to the Meridian Energy building and outlined health and safety procedures.

2 APOLOGIES

Apologies were received from member Lisa Anderson and observer Cr Miriam Morton.

3 DECLARATIONS OF INTEREST

There were no declarations of interest.

4 CONFIRMATION OF MINUTES

COMMITTEE RESOLUTION UPP/2020/71

Moved: Cr Stuart Barwood

Seconded: John Wilkie

That the minutes of the meeting of the Upper Waitaki Zone Water Management Committee held on June 19, 2020, be confirmed as an accurate record of the meeting.

CARRIED

4.1 CORRESPONDENCE

No correspondence was received.

4 REPORTS**5.1 ACTION LIST - JULY 2020**

The committee briefly discussed progress on some of the matters listed. It was noted that hydraulic work was ongoing at Kellands Pond and Wairepo Arm, and that a report would come to the committee on the results of this.

COMMITTEE RESOLUTION UPP/2020/72

Moved: Joy Paterson

Seconded: Cr Ross McRobie

That the Action List be noted.

CARRIED**5.2 WILLOWBURN STREAM LAND MANAGEMENT ACTIVITIES AND AHURIRI CATCHMENT PGF APPLICATION**

This report was from Jenna Hughes-Games, Land Management and Biodiversity Advisor, Environment Canterbury. It outlined the work both completed and planned in the Willowburn Catchment, as well as the Provincial Growth Fund Application that was put in for the Ahuriri Catchment.

Jenna Hughes-Games introduced the background to her report. In 2015-16 a full stream walk was conducted on the Willowburn reaches and this resulted in a lot of fencing being done in the upper reaches, as well as some willow clearing in the lower reaches. In total 24.2km of fencing and 36 hectares of willow control were funded by the Immediate Steps programme.

The next goal is to identify areas that have not been fenced and prioritise these areas for landowners to fence next.

She also spoke about an application to the Provincial Growth Fund that was lodged last week. This application was to pay for 55km of waterway fencing in the wider Ahuriri catchment. Discussion took place on the costs listed in the report, particularly for administration costs. It was noted that this was just an estimate and may not all be required.

Jenna Hughes-Games and Ian Lyttle were thanked for their work on this application at short notice.

Cr Barwood asked if a plan for the whole water zone area, rather than just the Ahuriri Catchment, was a good idea. Jenna Hughes-Games said this was a good idea but would require a lot of staff work and the money for fencing might not be available. Debate followed on whether to approach waterway fencing from a catchment-wide view, or concentrate on potential problem areas.

COMMITTEE RESOLUTION UPP/2020/73

Moved: Richard Subtil

Seconded: John Wilkie

Upper Waitaki Zone Water Management Committee Meeting Minutes

17 July 2020

That the Upper Waitaki Zone Water Management Committee:

1. Notes the previous work on the Willowburn, Wairepo and Six Mile Creek watercourses and the resulting fencing carried out on properties;
2. Endorses the future planned stream walk and advice to farms along the Willowburn stream; and
3. Notes the work undertaken to date to access national funds for fencing in the Ahuriri Catchment.

CARRIED

5.3 FIT FOR FUTURE KAITIAKITANGA TARGETS (WĀHI TAONGA & MAHINGA KAI)

This report was from Brad Waldon-Gibbons, Tangata Whenua Facilitator, Environment Canterbury. His power point presentation is available as an attachment to these minutes.

The committee were informed of what mahinga kai encompasses and its relevance to the CWMS Fit for future targets and goals review that was completed in 2019. Work is underway to identify the five mahinga kai sites mentioned in the 2025 targets.

Brad Waldon-Gibbons asked what discussion was needed as a committee, how would committee decisions impact on mahinga kai, and was there a role for the committee to play in mahinga kai implementation?

Member Michael McMillan spoke about his work with Timaru District Council on cultural mapping of trigger points that would trigger consultation. This would happen in the Mackenzie District also.

Discussion took place on the need to raise awareness on the location and significance of cultural sites within the zone.

The committee asked for some guidance and direction from runanga members to identify mahinga kai sites in the zone. Facilitator Tami Woods suggested exploring potential sites later in the year. A suggestion was also made to include an ongoing agenda item on mahinga kai at future meetings, and this was agreed.

Member Joy Paterson moved that the following resolution be added:

That the Upper Waitaki Zone Water Management Committee includes an action item or information on mahinga kai be added to each meeting agenda.

This resolution was confirmed as below.

Brad Waldon-Gibbons was asked to circulate his presentation to the committee members by email.

COMMITTEE RESOLUTION UPP/2020/74

Moved: Cr Stuart Barwood

Seconded: Richard Subtil

That the Upper Waitaki Zone Water Management Committee:

1. Notes the report.

2. Explores opportunities to collaborate with ngā Rūnanga to incorporate cultural perspectives including mahinga kai in Zone Committee recommendations and actions.

CARRIED

COMMITTEE RESOLUTION UPP/2020/75

Moved: Richard Subtil

Seconded: Cr Stuart Barwood

That the Upper Waitaki Zone Water Management Committee includes an action item or information on mahinga kai be added to each meeting agenda.

CARRIED

5.4 ZONE FACILITATOR'S UPDATE

Facilitator Tami Woods spoke to this report. She noted that changes were planned to the terms of reference for zone committees and "letters of priorities" would come from Environment Canterbury and territorial councils to help with an action plan later this year.

The communications update from Kate Doran was noted, and the Love Our Lakes video was played.

A meeting on the Lake Ruataniwha campaign was planned for Friday, July 31, and would include the campground owner and other stakeholders.

Discussion took place on future meetings. It was agreed to hold a workshop instead of a meeting next month, to be followed by a meeting in Tekapo in September.

Tami Woods told the committee about Peter Ramsden's investiture and the chairman moved to congratulate Mr Ramsden. This was confirmed.

Regarding the Ministry for Primary Industries Extension Services Programme, the committee agreed that this type of support was needed for catchment groups.

Tami Woods noted that she had been temporarily seconded to a different role and her last meeting with the committee would be next month. She introduced Ian Whitehouse who would stand in until a new appointment was made.

COMMITTEE RESOLUTION UPP/2020/76

Moved: Joy Paterson

Seconded: Cr Stuart Barwood

That the report be received.

CARRIED

COMMITTEE RESOLUTION UPP/2020/77

Moved: Chairperson Simon Cameron

Upper Waitaki Zone Water Management Committee Meeting Minutes

17 July 2020

Seconded: Richard Subtil

That the Upper Waitaki Zone Water Management Committee congratulates Peter Ramsden on his recent investiture.

CARRIED

5.5 GENERAL DISCUSSION

RECOMMENDATION

[enter text]

The Meeting closed with a karakia from Michael McMillan at 11.56am. After the meeting the committee members visited the Tekapo River to explore issues related to weed growth and gravel accumulation.

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

.....
CHAIRPERSON

5.2 INTERESTS REGISTER

File Reference: n/a

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 9 SEPTEMBER 2020

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

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

If a member is in any doubt as to whether or not they have a conflict of interest, then the Member should seek guidance from Catherine Schache (General Counsel, Environment Canterbury), the Zone Facilitator and/or refer to the following guidance: <https://www.oag.govt.nz/2010/lamia>

Types of Interest to be documented in the register:

- Employment, trade or profession carried on by the Member or the Member's spouse for profit or gain
- Company, trust, partnership etc for which the Member or their spouse is a director, partner or trustee, or a shareholder of more than 10% shares
- Address of any land in which the Member has a beneficial interest and which is in the area of the Zone Committee
- The address of any land where the landlord is Environment Canterbury, 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 shares, or a Trust of which the Member or their spouse is a trustee (noting that no

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

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, Chair of Otago Community Trust, 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.
John Wilkie	Te Rūnanga o Waihao. Representative on the Waitaki Native Fish Committee.
Michael McMillan	Te Rūnanga o Arowhenua.

5.3 IMMEDIATE STEPS BIODIVERSITY FUNDING 2020-2021

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Immediate Steps Funding Report [↓](#) 

PURPOSE OF REPORT

This report is from Jenna Hughes-Games, Land Management Advisor, Environment Canterbury.

It outlines the projects proposed for 2020 – 2021 Immediate Steps Biodiversity Funding in the Upper Waitaki zone.

STAFF RECOMMENDATIONS

1. That the report be received.
2. That the Upper Waitaki Zone Water Management Committee recommends to Environment Canterbury that 2020 – 2021 Immediate Steps Biodiversity Funding be allocated to the following:
 - Quailburn Bog Pine Protection: \$17,600;
 - Glenmore Tarns (additional funding): \$7,405;
 - Upper Ohau (Dobson River) Landscape Weed Control (additional funding): \$30,000;
 - Spring Creek Willow Control: \$7,000;
 - Lake Alexandrina Conservation Trust Native Planting: \$4,600.

2020-2021 Immediate Steps Funding - Proposed Projects

Summary of proposed allocation of Immediate Steps 2020-21 Biodiversity Funding

	Description	Funding
1	Quailburn Bog Pine Protection Fencing of an area of Bog Pine (a naturally uncommon ecosystem) on Quailburn Station adjacent to the Ben Dhu scientific reserve.	\$17,600
2	Additional funding for Glenmore Stations Tarns Additional fencing of tarns on Glenmore Station to capitalise on decision to put QEII covenants on Lake Murray, and Stoney and Tui tarns. Immediate Steps funding for fencing was recommended by the committee in August 2018.	\$7,405
3	Additional funding for Upper Ohau (Dobson River) Landscape Weed Control Additional funding, capitalising on LINZ contribution of \$120,000, to this large multi-species weed control project. Multi-year Immediate Steps funding for the project was recommended by the zone committee in July 2019.	\$30,000 ¹
4	Spring Creek Willow Control Willow control in a spring-fed creek on Glenbrook Station near Twizel.	\$7,000 ²
5	Lake Alexandrina Conservation Trust Native Planting Support to a community group for native planting of West Creek near Lake Alexandrina.	\$4,600
	Balmoral Wetland Protection (recommended for funding by the zone committee, via email, in July 2020) Fencing of two tarns and a large wetland (Old Man Swamp) on Balmoral Station, Tekapo	\$28,306
	TOTAL 2020-21 Immediate Steps funding	\$94,911

Notes:

1 the funding would be spent as follows: \$10,000 in 2020-21; \$10,000 in 2021-22 and \$10,000 in 2022-23

2 the funding would be spent as follows: \$5,000 in 2020-21; \$2,000 in 2023-24

1 Quailburn Bog Pine Protection



Figure 1. Bog pine habitat (*Halocarpus bidwillii*) located on Quailburn Station.

Location: Quailburn Station, Omarama

Description: About 2,000 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.

Ecological Assessment: Total ecological assessment score of 36/39. The project scores very highly due to protection of threatened species and rare habitat.

Aim: The key threat is ongoing stock browsing and trampling from livestock, which a fence will eliminate. The fence will be a 7-wire sheep fence that is approximately 1700 m long.

Funding Breakdown: The estimated cost for the fencing (materials and construction) is \$26,350. \$8,800 will be paid for by the landowner and \$17,600 by IMS.

Alignment with ZIP:

4.10: "Indigenous dryland ecosystems – support initiatives for protection of indigenous dryland ecosystems from further loss or degradation..."



Figure 2. Proposed 7-wire sheep fence at Quailburn station to protect bog pine habitat.

2 Glenmore Station Tarns (additional funding requested)

Location: Glenmore Station, Tekapo

Description and Aim: Immediate Steps funding was approved in August 2018 for fencing Lake Alexandrina, Lake Murray and Stoney, Tui and Grebe Tarns lakes on Glenmore station. This fencing planned for the 2018-2019 and 2019-2020 financial years. Lake Alexandrina and Grebe tarn fencing has been completed but due to Covid 19, fencing Lake Murray and Stoney and Tui tarns was unable to be completed by the end of the 2019-2020 financial year.

In the meantime, QEII has been involved and it has been decided to put Lake Murray, Stoney and Tui Tarns into QEII covenants. While undertaking the survey with QEII, we decided to add an additional two more tarns into the fencing and covenant regime. It has been decided that light sheep grazing is beneficial to the tarns to keep non-native grasses from overtaking the sensitive turf ecosystems so fencing will be 2-wire cattle fencing with the top wire barbed. Lake Murray and the two unnamed tarns will be fenced in the 2020-2021 year and Stoney and Tui Tarns will be fenced in the 2021-2022 year. The fencing lengths are: Lake Murray 1300m; Tui Tarn 2000m; Stoney Tarn 1700m; Unnamed tarns 2500m.

The IMS funding granted to Glenmore in 2018 was \$54,913. There is \$32,213 of the 2018 allocated funds unspent and this will go towards the fencing of Stoney and Tui Tarns and Lake Murray. The additional cost of fencing the two unnamed tarns is \$7,405 on top of the IMS funds already approved for the project.



Figure 3. Overview of Immediate Steps fencing projects on Glenmore Station. Completed fencing, approved fencing and proposed fencing included.

Ecological Assessment: The ecological score for the tarns is 39/39. The project scores very high due the nature of the Glenmore tarns being rare habitat and protection of threatened species.

Project funding (excluding funding and in-kind contribution spent to date):

Immediate Steps Funding		
	Unspent funding (approved in 2018)	\$32,213
	Proposed additional funding	\$7,405
QEII contribution		\$9,901
Glenmore Station contribution		\$9,901
TOTAL COST		\$59,420

Alignment with ZIP:

The project aligns strongly with the outcomes set in the Zone Implementation Programme including:

4.3 Kaitiakitanga

(b) Ki uta, ki tai - from mountains to the sea and beyond – Resource management based on catchments given that what happens upstream affects what happens downstream.

(f) Protecting springs from inappropriate use and degradation- they are of high cultural value and spiritual; significance to Tangata Whenua.

(h) protecting and enhancing wetlands

4.6 Freshwater Ecosystem Management: Identify and prioritise for action all freshwater systems in the zone including spring-fed streams, and integration of endangered species and mahinga kai species.

4.7 Riparian Protection: Support and accelerate existing riparian protection programmes (such as Dairy NZ, Fonterra) and private and community riparian protection efforts, and facilitate working with landowners

3 Upper Ohau Landscape Weed Control (additional funding requested)

Project Location: Dobson River, Lake Ohau



Figure 4. Upper Ohau Landscape Weed Control project area.

Description: In July 2019 the zone committee recommended Immediate Steps funding for multi-year weed control in the Dobson River. The IMS funding was \$45,000 in 2019-2020, \$17,000 in 2020-2021 and \$11,000 in 2021-2022. The Upper Ohau (Dobson River) Weed Control Programme has had a successful first year of control work with funding from DOC Project River Recovery, Land Information New Zealand and in-kind contribution from Glen Lyon Station.

DOC, LINZ and Glen Lyon will continue to be involved in the project in 2020-2021. Additional funding from other Environment Canterbury work programmes has been allocated to the project in 2020-21. LINZ has committed \$30,000 to the project each year for the next four years. With the inclusion of generous LINZ funds over the next four years, real progress can be made if IMS were to add more funding. Additional funding of \$30,000 from the 2020-21 Immediate Steps funding is requested. This funding would be spent over the next three years. It is expected that other additional funding will become available in the future but has not been confirmed.

Ecological Assessment: 39/39 – Scores highly due to the large scale of the project and protection of threatened species.

Aim and Works:

Elderberry – Spot sprayed last season and ground controlled under beech. Ground control required for more elderberry hiding in beech this season - follow-up in next few years. Goal is to contain the elderberry to areas where it is very thick (and keep the land clear of elderberry up the valley).

Miscellaneous weeds (raspberry, gooseberry, current, flowering cherry) – Ground controlled last season - requires follow-up this season and next few years. Goal is eradication.

Cotoneaster – Ground controlled scattered plants around containment area and pushing into thicker areas. Goal is to contain and maintain clear land around the containment area.

Buddleia – Helicopter and ground control last season. Hard to kill the large plants. Follow-up required for seedlings and large plants this season by ground control. Goal is eradication.

Willows – Helicopter control last season in the upper valley. This season will follow-up on last years' spraying and continue down the valley. Should be able to spray all the scattered willows and the willows on the Dobson River delta where it flows into Lake Ohau this season. Goal is to contain willow from spreading further.

Lupins – Last season controlled scattered lupin patches up the valley aerially and started on more dense areas down the valley (working down). This season, helicopter will spray any scattered lupins up the valley, following up from last season, and continue down the valley with spraying. Two sprays per season are best to ensure the first and second germinations are caught. The goal is to remove lupins from the upper valley, pushing the occurrence of lupins as far down the valley as possible. This means follow-up control is needed each season before spraying new areas. Long term, the goal is eradication from the catchment.

The scope of the project is large – control of multiple species over a large area. Additional Immediate Steps funding is requested to ensure follow-up and proper weed control continues. It is proposed that IMS will contribute another \$30,000 out of this years' funds to be used over the next 3 years.

Alignment with ZIP:

The project aligns strongly with the ZIP outcomes including:

3.3: "Braided Rivers Bird Habitat – Develop programmes to complement PRR for the protection and enhancement of braided river ecosystems including... weed control...."

3.9: "River protection – weed management – In restoration efforts involving weed control, priority be given to removing pest plants such as crack willow... all pest and weed control is to be coordinated for maximum effectiveness. ... Priority should be given to prevention and early removal of high-risk species..."

4.10: "Indigenous dryland ecosystems – support initiatives for protection of indigenous dryland ecosystems from further loss or degradation..."

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

Yearly Breakdown	2019-2020				2020-2021					
Weed Control Type	Immediate Steps	LINZ	DOC	Glen Lyon Station	Immediate Steps #	ECan Wetland	ECan Biosecurity	LINZ	DOC	Glen Lyon
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			
Immediate Steps #	LINZ	DOC	GLS	Immediate Steps #	LINZ	DOC	GLS
2000							
5000				3000			
5000	30000			7000	30000		
3000							
			4000				
5000							
1000							
21000	30000	0	4000	10000	30000	0	0
		Total	55000			Total	40000

Immediate Steps funding includes additional \$30,000 requested: \$10,000 in each of 2020-21, 2021-22 and 2022-23

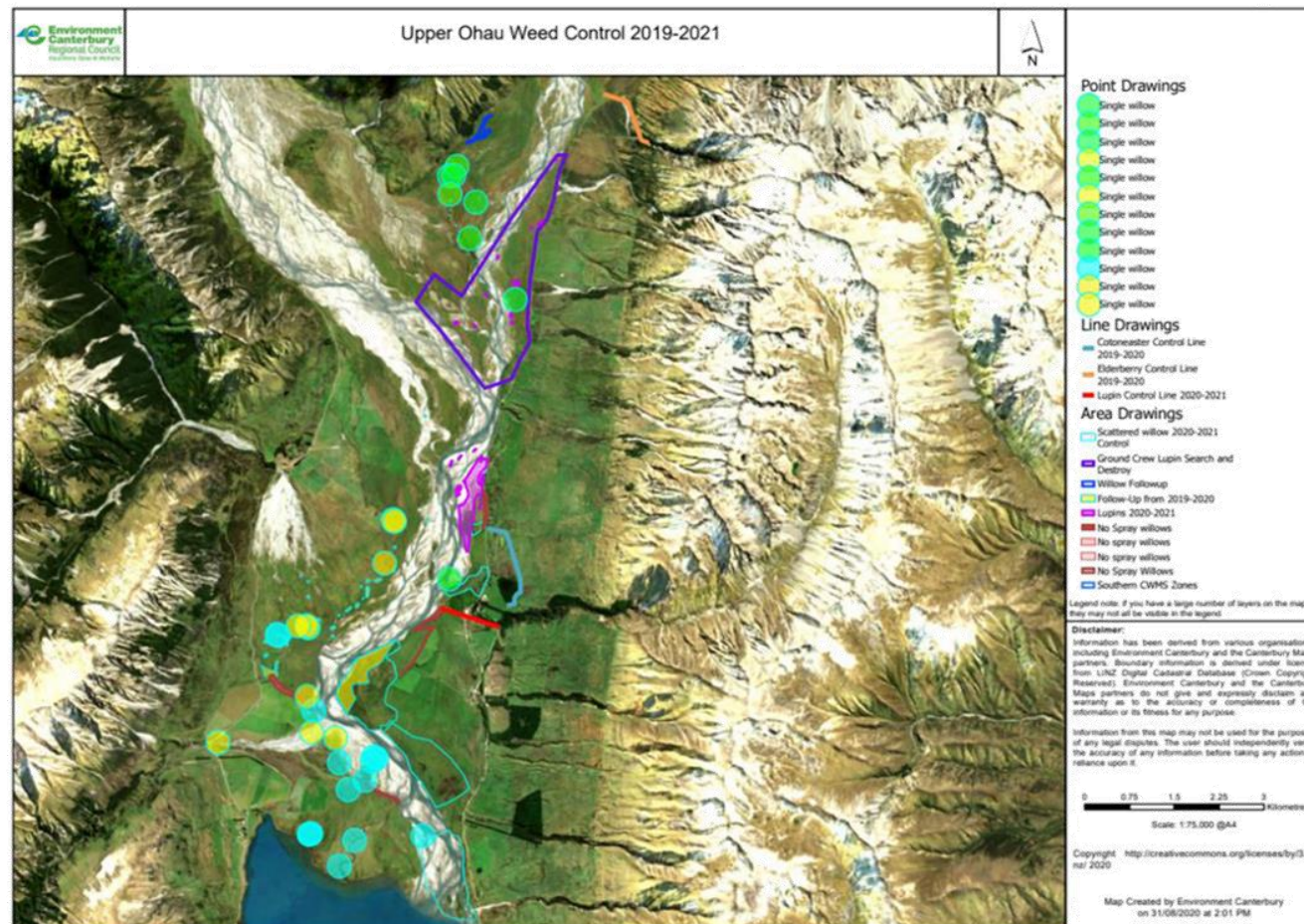


Figure 5. Upper Ohau Landscape Weed Control project works for 2020-2021.

4 Spring Creek Willow Control

Project Location: Glenbrook Station, Twizel

Description: Immediate Steps funding (\$7,000) is requested for willow control in the upper reaches of Spring Creek. The springs at the headwaters of Spring Creek are a collection of springs coming from a bank and are important to protect.

The willow control is part of a larger "Fonterra 50 catchments" project enhancing Spring Creek..

Ecological Assessment: Not complete yet – one more field visit due. It is expected that the ecological assessment will score quite high as springs are an important feature to protect and there are likely to be native endangered fish (big nose galaxiids and/or lowland long-jaw) in the spring network.

Aim: To protect springs and wetland system from weed invasion and to enhance the already good biodiversity along the spring-fed creek.

Project Works: The willow control will use a "cut-and-paste" method so the trees can be removed in a non-damaging manner. Other work being completed using the Fonterra fund will be native planting in the wetland, erecting a short fence where sheep bottleneck to protect a spring and willow control at the confluence of Spring Creek and Wairepo Creek. A site visit took place in early June to look at the values to protect. Spring Creek begins at springs coming out the base of a hill (see map below). Another assessment will be taking place in the next couple months to finalize details and electrofish to see what native fish are present.

Funding Breakdown: IMS will contribute \$7,000 from the 2020-21 allocation: \$5,000 for the initial willow control (in 2020-21) and \$2,000 for year 3 follow-up (in 2022-23). Landowner will contribute in-kind with planting natives and Fonterra money will also contribute to planting natives and erecting the sheep fence. The total cost of the project, including the Immediate Steps funded willow control, is \$17,000.

ZIP: The project aligns strongly with the ZIP outcomes including:

4.3 Kaitiakitanga

(b) Ki uta, ki tai - from mountains to the sea and beyond – Resource management based on catchments given that what happens upstream affects what happens downstream.

(f) Protecting springs from inappropriate use and degradation- they are of high cultural value and spiritual; significance to Tangata Whenua.

(h) protecting and enhancing wetlands

4.6 Freshwater Ecosystem Management: Identify and prioritise for action all freshwater systems in the zone including spring-fed streams, and integration of endangered species and mahinga kai species.



Figure 6. Spring Creek willow control and springs

5 Lake Alexandrina Conservation Trust Native Planting

Project Location: Lake Alexandrina - West Creek, Tekapo

Description and Works: I was approached by the Lake Alexandrina Conservation Trust to see if we had any funding for their projects for the next year. The main project we can help with is the planting of West Creek (LA Photo 1). 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 (LA photo 2). Immediate Steps funding of \$4,600 is requested.

Ecological Assessment: Not completed yet. Ecological assessment will likely score relatively low as it is a biodiversity enhancement project. It is a great initiative to help a keen community group who has had much success in the past with planting projects.

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. Lake Alexandrina Conservation Trust Native Plants will provide labour (valued at \$1,500).



Figure 7. LA Photo 1- West Creek deer fenced and ready for native planting.



Figure 8. LA photo 2- Outlet of Lake Alexandrina planted with Carex by Lake Alexandrina Conservation Trust about 6 years ago with great success.

ZIP: This project supports the community and a few outcomes set in the Zone Implementation Plan.

4.7 Riparian Protection. Support and accelerate existing riparian protection programmes (such as Dairy NZ, Fonterra) and private and community riparian protection efforts, and facilitate working with landowners.

5.4 Biodiversity 4.8 freshwater ecosystems function and health. Project will strengthen biodiversity corridor leading into Lake Alexandrina .

5.4 SOUTHERN ZONE TEAM PROGRESS REPORT

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Upper Waitaki Progress Report 2020-2021 [↓](#) 

PURPOSE OF REPORT

This report is from Chris Eccleston, Zone Manager - Southern, Environment Canterbury.

This report provides an update on progress on projects and activities of Environment Canterbury's Southern Zone Team in the Upper Waitaki zone.

STAFF RECOMMENDATIONS

1. That the report be received.

Upper Waitaki - Work Programme Progress Update for FY2019/20

Upper Waitaki Work Programme Summary:

Much as the vast majority of New Zealand, Environment Canterbury's ability to undertake or support work on the ground during the latter half of the 2019/2020 year was significantly effected by the Covid-19 pandemic, and lockdown. Even taking that into consideration, there was excellent progress across a range of focus areas during the year, and recently the Environment Canterbury team has been supporting and developing applications for possible additional central government funding for environmental projects in the Upper Waitaki post Covid.

The Upper Waitaki Zone Committee supported the allocation of 97% of the available Immediate Steps Funding to support biodiversity projects across the zone. These projects included the protection of wetland habitat, and significant weed control work, including the ground and aerial control of willow, elderberry, Russell Lupin, buddleia, cotoneaster and an assortment of smaller garden escapees.

Following on from last year, there was further collaborative activity with the likes of the Ministry of Defence, Department of Conservation and local community to relocate trout away from native fish habitat in the Hook Stream, again ensuring that our native fish continue to be protected.

One of the main focus areas for this year has been working closely with the farming community in the Ahuriri catchment area, following the Trophic Level Index (TLI) for the Ahuriri Arm of Lake Benmore exceeding warning limits in some consent in the 2019/2020 year. This work has centred around supporting a community led approach to enabling farmers to meet or exceed Good Management Practice (GMP) and has already seen education sessions such as and Irrigation Field day being well received and attended by the local farmers. There has also been a compliance component in that all consented farms in the catchment were monitored within the year.

Waihao, Arowhenua and Moeraki rūnanga, alongside Environment Canterbury, completed the recruitment process for our new Southern Pou Mātai Kō (Cultural Land Management) role. It is a great achievement that together we have managed to secure such a knowledgeable and experience person to this role, and they have commenced working in conjunction with our Land Management Advisory team, in developing further Mahinga Kai awareness across the zone and within Farm Environment Plans (FEPs).

In the Compliance field, Environment Canterbury have secured a Resource Management Officer to be based within the Upper Waitaki zone full time. Activity wise, there was a full investigation of the intermittent higher E coli water quality results in Lake Ruitaniwha over the Christmas and New Year period. With the support and guidance of the Upper Waitaki Zone Committee, there have been a number of subsequent follow up actions, including increased monitoring, development of an education programme, and investigation of long term solutions to reduce potential causes.

The Upper Waitaki Zone Committee's "Love Your Lakes" campaign has continued this year, under a slightly changed name of "Love Our Lakes." The "Love Our Lakes" campaign information posters have been placed in each of main townships, and include location specific data, updates and information. The posters are updated seasonally and are supported through social media with competitions and other activities to raise awareness of how everyone can contribute. The "Love Our Lakes" campaign was nominated for a Local Government award this year, but unfortunately, although well received, it did not come away with a prize..

Outcome	Status	Progress Update
<p>UW-O-83 Farming at GMP or better Farmers in the Upper Waitaki zone support and apply innovative good management practice including recognition of mahinga kai values</p>	On Schedule	<p>Achievements: Over the course of the 2019/2020 year, all farmers in the Upper Waitaki and Mackenzie areas either have received their Farming Land Use (FLU) consent, or are in the process of lodging their applications via their advisors. The Environment Canterbury Zone Delivery team, comprising Land Management Advisors, Biodiversity officers, and our Pou Mātai Kō (Cultural Land Manager) are fully engaged in reviewing Farm Environment Plans (FEPs) as part of the consent application process, and are working with farmers in the area to support their working at Good Management Practice (GMP) levels, or better.</p> <p>The main area of focus for this activity during the past year has been in the Ahuriri catchment, as the Trophic Level Index (TLI), an annual water quality measure, exceeded its warning limit in a number of consents. Initially action was required from a small number of consent holders, but following a full catchment meeting in December, there was an agreement that this was an issue that should involve the whole of catchment/community.</p> <p>The community led Ahuriri Catchment Collective was set up, now renamed Omarama Catchment Collective was formed after the December meeting, and has made contact with all farmers in the catchment, outlining their role and aim for delivering GMP through range of events over the next year. They held a well-received and attended Irrigation Field Day in March, which provided education on how good irrigation efficiency could be achieved. Other work will focus on winter feed management, in association with Beef +Lamb NZ and Dairy NZ; and a focus on dryland intensification, which will bring in the dryland farmers into the catchment programme.</p> <p>The group is also creating a better understanding to help manage the response by all farmers if the TLI in the Ahuriri Arm exceeds the trigger limits or levels in Ahuriri Arm of Lake Benmore in future years.</p> <p>GMP guides are currently being written for Intensive Dryland Farming and Waterway management, with a view to developing further guides in collaboration with the Omarama Catchment Collective.</p>
<p>UW-O-84 Improving recreational and amenity values Environmental impacts of recreational activities are sustainably and appropriately managed</p>	On Schedule	<p>Achievements: The Environment Canterbury Science team has continued with its water quality monitoring programme, which is schedule to run year on year. Specifics on the results for each year's testing are released by the Science group.</p> <p>As covered in the previous Outcome commentary, the last year has seen a significant amount of activity</p>

		<p>related to the Trophic Level Index (TLI) level reported in the Ahuriri Arm of Lake Benmore.</p> <p>Another area of focus has been in the response to a couple of higher than expected E. coli results seen in Lake Ruataniwha over the Christmas and New Year period. Environment Canterbury completed an investigation into possible causes of this intermittent contamination. The investigation was inconclusive as to the root cause of the contamination, but working closely with, and with guidance from the Upper Waitaki Zone Committee, the follow up actions include the development of an education and awareness programme for recreational users of the lake, and a supporting role in identifying and aligning possible longer term solutions.</p> <p>The Upper Waitaki Zone Committee's "Love Your Lakes" campaign has continued this year, under a slightly changed name of "Love Our Lakes". The "Love Our Lakes" campaign information posters have been updated for each of the key townships, with location specific updates and information. The posters are updated twice a year and are supported through social media with competitions and other activities to raise awareness of how everyone can contribute. The "Love Our Lakes" campaign was nominated for a Local Government award.</p>
<p>UW-O-85 Focus on wetlands, spring-fed and hill-fed streams Priority wetlands, spring-fed and hill-fed streams are identified, and their ecological and cultural quality is maintained and steadily improved over time</p>	On Schedule	<p>Achievements: As part of the Immediate Steps Funding (IMS) projects that are approved by the Upper Waitaki Zone Committee, and other programmes of work, there has been a continued focus on wetlands, and the spring-fed and hill-fed streams. These pieces of work align closely with the Biodiversity focus on the following Outcome, and have included: Further Wetland protection in Omarama Working closely with the Department of Conservation (DOC) and Te Manahuna Aoraki on the removal of trout up the Fork stream, to better protect the environment for native species.</p> <p>A collaborative process of ensuring wetlands and streams are suitably identified during the Farm Environment Plan (FEP) and consent application processes has commenced, where the Land Management Advisor, Biodiversity Officer and Pou Mātai Kō (Cultural Land Management Advisor) work alongside industry consultants and consents staff to ensure important sites are protected.</p>
<p>UW-O-86 Biodiversity step change A step change in biodiversity protection and</p>	On Schedule	<p>Achievements: This year has seen significant, collaborative weed control project being supported by the Immediate Step (IMS) fund allocated by the Upper Waitaki Zone Committee. These projects have included:</p>

<p>enhancement is achieved by supporting landowners, District Council, QEII trust, community groups, DOC and other agencies to undertake biodiversity protection and enhancement projects.</p>		<p>-Birchwood Cotoneaster control project. This project is a collaboration, working with the Department of Conservation, who are the project managers in this space. On the ground activities have been completed for this year, with some funding will be carried over until next financial year</p> <p>-The Dobson River Weed control project work has been completed for the year.</p> <p>-The Rowan control programme, in association with Land Information NZ (LINZ,) Department of Conservation and landowners on west side of Lake Pukaki has commenced but was stalled due to lockdown and not complete yet. Funds are being re-allocated into next years budget to ensure completion of this work.</p> <p>In addition to these IMS funded projects, the Environment Zone Delivery team have also been involved in significant collaborative works with treaty partners, and other agencies and stakeholders within the Upper Waitaki zone with a view to protecting and enhancing the biodiversity values within this very special area. This includes:</p> <p>Work closely with the Department of Conservation (DOC) and Te Manahuna Aoraki on the removal of trout up the Fork stream, to better protect the environment for native species.</p> <p>Again, working with the Department of Conservation and local farmers, and also with Land Information NZ (LINZ,) farmers, various Environment Canterbury sections are working on a rowan control programme up the west side of Lake Pukaki.</p> <p>A further major weed control programme is being undertaken up the Dobson Valley, working with DOC, LINZ, and Glen Lyon Station. This involved the ground and aerial control of willow, elderberry, Russell Lupin, buddleia, cotoneaster and an assortment of smaller garden escapees.</p>
<p>UW-O-87 Quality, affordable drinking water Safe drinking water is available for all.</p>	<p>On Hold</p>	<p>Achievements:</p> <p>This Outcome has been on hold this year whilst Environment Canterbury completed the recruitment of a Resource Management Officer based within the Upper Waitaki and Mackenzie basin. This new officer, based in Twizel, started with Environment Canterbury in May 2020, during lock down, and is initiating his work programme to include this work stream.</p> <p>Also coming on line in the 2020/2021 year will be a working group including team members from Environment Canterbury and Mackenzie District Council, to raise awareness, work with and support landowners in the transition from non-compliant to compliant septic tanks</p>
<p>UW-O-88 Compliance All consents in the Upper Waitaki Zone that need</p>	<p>On Schedule</p>	<p>Achievements:</p> <p>Compliance activity can take one of two forms: planned (monitoring) or unplanned.</p>

monitoring are monitored, high risk pollution incidents are responded to and consent holder's practices are aligned with community outcomes.

Unplanned activity consists of complaints or issues raised with Environment Canterbury by the community, other agencies or by Environment Canterbury's own staff whilst undertaking other work. Over the last year, those incidents reported were responded to within our agreed timescales - more details of the number and type of issues raised will be reported in the Annual Compliance Report.

A comprehensive monitoring programme for the Upper Waitaki over the last year has been supported by a Technical Expert, and other Senior compliance roles within Environment Canterbury .

This monitoring programme was prioritized by specific criteria drawn up from reference to historic performance, change in practice and scientific information.

A specific monitoring priority for the 2019/2020 year has been to monitor all consented farms in the Ahuriri catchment of the Upper Waitaki as a response to the elevated Trophic Level Index in Lake Benmore last year. The work concentrated on the consented properties holding irrigation and/or land use consents plus those dairy farms sitting on the fringe of the catchment. The project was successful in that all consented properties were formally monitored. Most were found to be compliant with their consents however a few had minor non-compliance.

In May Environment Canterbury secured the services of a Resource Management Officer who will be based within the Upper Waitaki / Mackenzie area full time.

The full annual compliance report from Environment Canterbury for the 2019/2020 year will be presented at the Upper Waitaki Zone Committee when it is available. This is usually around September or October.

5.5 ZONE FACILITATOR'S REPORT

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: Nil

STAFF RECOMMENDATIONS

That the report be received.

PURPOSE OF REPORT

This report is from Ian ("Whit") Whitehouse, Acting 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 or where feedback is sought to inform the focus for the committee. In particular, the committee's feedback is sought on:

whether the Zone Committee hangi, scheduled for 20 November should be replaced with a field visit to Glenmore Station and Lake Alexandrina biodiversity projects;

whether the Zone Committee wishes to provide its view on the future of tourism to the New Zealand Tourism Futures Taskforce.

DISCUSSION

1. Zone Committee meetings and events in October and December

It is proposed to hold the 16 October zone committee meeting in Tekapo. The September (this) zone meeting was to be held in Tekapo but was moved to Otematata to enable zone committee members to attend the Landcare Trust Wetlands Field Day. The Tekapo Community Board will be invited to the 16 October meeting and the meeting advertised locally.

A field trip to Glenmore Station/Lake Alexandrina to see Immediate Steps Biodiversity funded projects was planned for 16 October with the Zone Committee's hangi on 20 November. The field trip needs to be rescheduled (again).

Guidance is sought from the committee on whether to have:

- the Glenmore field trip in November and reschedule the hangi to early 2021;

OR

- the hangi in November and reschedule the field trip for early 2021.

2. Opportunity to contribute views to the New Zealand Tourism Futures Taskforce

Guidance is sought on whether the zone committee wishes to input to the New Zealand Tourism Futures Taskforce.

The Tourism Minister established the New Zealand Tourism Futures Taskforce to lead the thinking on the future of tourism in New Zealand, and create a more sustainable, productive and inclusive tourism system post COVID-19. The Taskforce is seeking input from interested parties and the public across New Zealand. Online input is requested by 22 September in relation to the following:

- Strengths of the current tourism system
 - What are the strengths, or emerging strengths of the Tourism system (now, or prior to COVID-19)?
 - What are important next steps (if any) to preserve or grow these strengths?
- Challenges the tourism system is facing or will face
- What are the challenges or areas of the tourism system most in need of addressing (now, or prior to COVID-19)? What would your top three areas for focus be?
- For each of your three challenges/areas mentioned above, what actions would you like to see to implemented?
- The ideal tourism system
- What positive change would you like to see embedded into the tourism system in 10 to 15 years (e.g. values, ways of operating)? Please share up to three.
- What needs to happen to enable this positive change? e.g. What changes would be required? Are there limitations or barriers the Taskforce should consider? Are there existing documents, strategies or processes that would be useful for the Taskforce?

Does the committee wish to provide input to the Taskforce? If so, given the tight deadline, committee members would need to provide input to the Zone Facilitator by Monday 21 September.

3. Tu Te Rakiwhanoa Drylands Park

In late August, the Minister of Conservation and of Land Information, Hon Eugenie Sage, announced the legal protection of 11,800ha of new conservation land on the floor of Te Manahuna / Mackenzie Basin, as part of the Tu Te Rakiwhanoa Drylands initiative.

The new protected land includes 1,792ha of Ōhau Downs station purchased by the Nature Heritage Fund, 4,332ha of Simons Pass Station acquired through tenure review and the transfer of freehold land, 1,631ha of Twin Peaks Station acquired through tenure review and 4,100ha of the Tasman riverbed which has been transferred to the Department of Conservation by Land Information NZ.

4. Action for Healthy Waterways

- On 28 May 2020, Minister Parker announced the Action for Healthy Waterways national direction package. This announcement signalled where changes to the policy package had been made in response to the consultation on the proposals (then known as the “Essential Freshwater” package) in September 2019. The amended policy documents were released on 5 August following gazettal, including:
 - National Policy Statement for Freshwater Management 2020 (NPS-FM),
 - National Environmental Standard for Freshwater 2020 (NES-F),
 - Stock Exclusion s360 Regulations, and
 - Measurement and Reporting of Water Takes s360 Regulations.

- These requirements come into effect from the 3 September 2020.
- Environment Canterbury staff are analysing the new requirements against our current planning framework to determine which rules will take precedence.
- Canterbury is well placed to adapt to the new requirements, particularly in terms of Farm Environment Plans and stock exclusion where we already have rules and frameworks established.
- However, while our regional planning framework covers many of the same areas as the new requirements, changes will be required to existing plans to give effect to the new national direction. Further analysis is required before we can provide additional clarity on the extent of changes required.

National Environmental Standards for Freshwater 2020 (NES-F)

New requirements introduced by the NES-F come into effect from 3 September 2020. Resource users will have up to 6 months to apply for a resource consent if they find that they need one.

Some key changes introduced through the NES-F include the following:

- **Interim restrictions on agricultural intensification**, for the activities listed below (from commencement on 3 September 2020):
 - Increases in the area of land used for dairy farming, from any other sort of farming, by more than 10ha
 - Conversion of more than 10ha of forestry to any form of pastoral farming
 - Increases in the area of land used for irrigated pasture for dairy farming by more than 10ha
 - Increases in the area of land used for dairy support activities above the annual highest amount between 2014/15 and 2018/19.
- **Intensive Winter Grazing** – from 3 September 2020 all intensive winter grazing that does not comply with permitted activity standards will need to apply for a resource consent
- **Feedlots** – from 3 September 2020 all feedlots that do not comply with permitted activity standards will need to apply for a resource consent.
- **A national synthetic nitrogen-fertiliser cap of 190kg N/ha/year** has been set for all pastoral farms in New Zealand. From July 2021, fertiliser applications of more than 190kg/ha/yr will be a non-complying activity and will require resource consent. Dairy farmers must report their fertiliser use to Council.
- **Rivers and wetland protection and maintenance**: from 3 September 2020 resource consents will be required for:
 - Structures in rivers that do not comply with permitted activity standards for fish passage, so that desirable fish movement is not prevented
 - Reclamation of rivers including most earthworks in wetlands and rivers
 - Clearance of vegetation, earthworks, drainage or taking, damming or diverting water from in and around a wetland

The new NES-F can be found at: <https://www.mfe.govt.nz/fresh-water/freshwater-acts-and-regulations/national-environmental-standards-freshwater>

Stock Exclusion Regulations 2020

- Dairy and beef cattle, pigs and deer must be excluded from wetlands, lakes and rivers with a bed greater than or equal to one metre. Dates for compliance vary according to the stock type and terrain.
- Minimum setbacks of three metres between stock and the bed of a lake or river will be required, except where permanent fences or riparian planting is already in place to exclude stock.
- Where practicable, bridges and culverts must be used to facilitate stock crossing waterways. Where such structures are impracticable, stock may only cross waterways where the stock are being actively driven through the water.

The new regulations can be found at: <https://www.mfe.govt.nz/fresh-water/freshwater-acts-and-regulations/resource-management-stock-exclusion-regulations-2020>

Measurement and Reporting of Water Takes 2020

- The existing provisions have been strengthened by including the requirement to provide telemetered data to Council for takes of 5L/s by specified dates. This adds to existing requirements to meter these flows and provide records.

The new regulations can be found at:
<http://www.legislation.govt.nz/regulation/public/2020/0176/latest/LMS351161.html>

National Policy Statement for Freshwater Management (NPS-FM) 2020

- Some key changes introduced through the NPS-FM include the following:
 - The Te Mana o te Wai framework has been strengthened with a change to the hierarchy of obligations. The new hierarchy of obligations prioritises the health and wellbeing of water bodies and freshwater ecosystems first.
 - Expectations and direction about involving Māori in freshwater decision making has been strengthened.
 - New compulsory values and attributes have been included.
 - There is now a requirement for regional councils to map, monitor and manage wetlands and obstacles to fish passage.
- Our planning framework will need to be updated to give effect to these changes.

The NPS-FM 2020 can be found at: <https://www.mfe.govt.nz/publications/fresh-water/national-policy-statement-freshwater-management-2020>

5. Lake Ruataniwha update

- There was a meeting on the Friday 31st July 2020. It was well attended, and some thorough conversations were had. There was a range of solutions proposed and every acknowledged that the current public facilities are not adequate or appropriately located for peak period visitor numbers.

Attendees: Tony Ritchie (Lake Ruataniwha Holiday Park, Scott Aronsen & Karl Morgan (South Island Rowing Incorporated(SIR)), Mat Bayliss, Joy Paterson & Keiran Whyte (Upper Waitaki Zone Committee), Chris Clarke and Jason Menard (MDC), Chris Eccelston, Shirley Hayward, Dan Turner, Kate Doran, Brad Waldon-Gibbons and Tami Woods (ECan)

Points discussed at the meeting:

1. Ruataniwha campground offered to “quit the ponds” if this will assist with the issue or long-term water management issues for the area. They are happy to explore alternative options to current practices.
2. ECan science (Shirley)- no faecal source tracing done due to no further *E.coli* spikes since new year period + covid-19 lock down. Inconclusive to source exactly but can interpret that it is not due to birdlife or any upstream source (i.e. rowing club). Source would have been within a day of testing.
3. ECan compliance (Dan)- RMO report concluded that the campground was not an influencing factor to the issues raised.
4. Trend to see more people over the years in the main bay (in front of campground). Also noted that there tended to be a younger audience present (i.e. youth & young families)
5. Scott (SI rowing incorporated) queried the effects this (*E.coli*) could have on rowing regatta. Noted it was not the entire lake but isolated to a few bays. (NB: this has potential in future to disrupt as this is usually their “parking/ waiting spot” pre/post racing and seen as vital for regatta to proceed
6. MDC (Bernie)- noted that other toilet sites (status) in region would support the issue of toilet behaviour being the main issue.
7. Kieran (ZC representative/ Te Rūnanga o Moeraki)- noted that public use of lake had seemed to have shifted bays. Noted toilet facilities now inadequate. Supported by others in room.
8. Campground- asked if consent was sought to install flushing loos outside front of campground and could plumb into campground if they also went into the town supply, would MDC make this process easy. Noted that their (campground) staff could also maintain these facilities if needed.
9. MDC (Bernie)- it is a council decision if there needs to be more toilets or not.
10. MDC (Bernie)- advised to go to community board and contact Charlotte (community facilities), and Angie (solid waste).
11. Further comments:
 - 1) It is a public space so should be public facilities
 - 2) Approach MDC as first step (explore the costs associated)
 - 3) Potential funding from MBIE
12. Jason- Ruataniwha is an asset for the town but not in its current state.
13. MDC (Bernie)- Need a long-term strategy/vision
14. Mat (ZC rep)- agreed that long term vision was key as long as it was in parallel with actions now!
15. Kate (ECan Comms team): discussed campaign and focus on behaviour change. References DOC’s (poo in a loo) campaign to date.

16. Kieran (ZC rep)-asked if there was anything (facilities or signage) for upstream users i.e. fishing users, A20, King salmon etc.

Outcomes:

- 1) Mat has explored a temporary option of hiring port-a-loos over the peak season for four weeks as an initial trial.

Both hire companies recommended emptying once per week.

- \$1,780 for 4 weeks inclusive of delivery and weekly service/waste removal
- \$1,580 for 4 weeks inclusive of delivery excluding servicing and waste removal
- \$1,280 for 4 weeks pick up Timaru and excludes servicing and waste removal

Both cases, “we” are able to clean surfaces, replace toilet paper and hand sanitiser ourselves as often as we like. For longer periods, it’s roughly \$400 per week for 4 toilets per extra week (e.g. 5 weeks = \$2,200). Timaru Hire has some flasher options, to compare pricing with Hirepool, Prices reflect the basic plastic standalone option.

Funding has been sort from both ECan (Chris Eccleston) and MDC (Angie Taylor) to cover the cost of hire and weekly servicing, also cover the cost of consumables (toilet paper and sanitiser). We are awaiting a response. Tony (campground) has offered to provide a daily check and clean. This seems like a relatively cheap way to divert pollution away from our lake and see if it resolves the high e-coli problem. Also gives us a structure to put some posters on to help with our education initiative.

- 2) The next Twizel Community Board meeting is on the 12th October (3pm, Twizel)- is was agreed that a Zone committee member, zone facilitator, and Tony (camp ground) attend this meeting and present the issues/proposal for a long term vision to address facilities around the lake. Brad has made enquiries to get a place on the agenda.
- 3) Kate (ECan comms) is working on the creative for posters and signage for public education, in conjunction with Mackenzie DC comms.
- 4) Recommended to have (ECan science) monitoring for future “peak times” to see if the current focus, solves issues at Lake Ruataniwha. This needs to be confirmed within their work programme and budget.

Next Twizel community board meeting: October 12th, Monday 3pm- Twizel

Next Mackenzie Council meeting: Tue 22-Sep 9.30am Fairlie & Tue 20-Oct 9.30am

only.