



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, 19 March 2021

Time: 9.30am

**Location: Mackenzie Country Inn
Twizel**

AGENDA

Upper Waitaki Zone Water Management Committee Meeting

19 March 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)

Contents

1	Reports	6
1.1	Minutes of Upper Waitaki Zone Water Management Committee Meeting - 16 October 2020.....	6
1.2	Interests Register.....	14
1.3	Takamana (Lake Alexandrina)	16
1.4	Lake Ruataniwha Contact Recreational Water Quality Results	17
1.5	"One Poo Can Close the Lake" Public Awareness Campaign Summer 2020/21	21
1.6	Environment Canterbury Twizel River Works	25
1.7	Mackenzie Basin Agency Alignment Committee Response to Twizel River Restoration	27
1.8	Zone Facilitator's Report	34

Upper Waitaki Zone Committee Meeting Friday 19 March 2021 9.30am Mackenzie Country Inn meeting room			
9.00am	Item	Arrive	Lead
9.30am	1	Opening Karakia	
		Standing Items Apologies, Minutes, Correspondence, Conflicts of Interest, Matters arising	
9.45am	2	Chair and Deputy Chair Elections	Janine Roux
10.00am	3	Takamana (Lake Alexandrina) • Any follow-on from field trip?	Simon Cameron
10.10am	4	Lake Ruataniwha a) Contact recreational water quality monitoring programme b) Communications campaign review	Kate Doran and Shirley Hayward, Environment Canterbury
10.35am	5	Twizel River a) Environment Canterbury, Twizel River Works b) Mackenzie Basin Agency Alignment Committee response	Janine Roux and Sam Kidner, Environment Canterbury
11.00am	6	Zone Facilitator's Report	Janine Roux
11.05am	7	General Discussion	All
11.15am- 11.30am		Morning tea	
11.30am	8	Workshop – Zone Committee Action Plan	Janine Roux
12.30pm		Closing Karakia and lunch	

1 REPORTS**1.1 MINUTES OF UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING - 16 OCTOBER 2020**

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Minutes of the Previous Meeting [!\[\]\(5a132f13505a6571904d622757b7a8f0_img.jpg\)](#) 

RECOMMENDATION

That the Minutes of the Upper Waitaki Zone Water Management Committee Meeting held on Friday 16 October 2020 be received and confirmed as an accurate record of the meeting.



Unconfirmed MINUTES

Upper Waitaki Zone Water Management Committee Meeting

16 October 2020

**MINUTES OF THE
UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING
HELD AT THE TEKAPO COMMUNITY HALL, LAKE TEKAPO
ON FRIDAY, 16 OCTOBER 2020 AT 9.30AM**

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

IN ATTENDANCE: Cr Miriam Morton (Waimate District Council), Cr Anne Munro (Mackenzie District Council), Ian Whitehouse (Facilitator), Janine Roux (Facilitator), Chris Eccleston (Ecan), Tami Woods (Ecan), Kate Doran (Ecan), Brad Waldon-Gibbons (Ecan), Graeme Clarke (Ecan), Arlene Goss (Committee secretary), John Benn (Department of Conservation), Rick Ramsay (aquaculture group), three other members of the public.

1 OPENING

Member Michael McMillan opened the meeting with a karakia.

2 APOLOGIES

COMMITTEE RESOLUTION UPP/2020/74

Moved: Chairperson Simon Cameron

Seconded: Cr John Sunckell

That the apologies received from Lisa Anderson, Cr Stuart Barwood, Cr Ross McRobie, and Mayor Graham Smith be accepted and leave of absence granted.

CARRIED

3 DECLARATIONS OF INTEREST

Member Richard Subtil declared an interest in "Item 5.5 Ahuriri Catchment".

4 VISITORS

There were no visitors.

5 REPORTS

5.1 MINUTES OF UPPER WAITAKI ZONE WATER MANAGEMENT COMMITTEE MEETING - 18 SEPTEMBER 2020

COMMITTEE RESOLUTION UPP/2020/75

Moved: Cr John Sunckell

Seconded: Richard Subtil

That the Minutes of the Upper Waitaki Zone Water Management Committee Meeting held on Friday 18 September 2020 be received and confirmed as an accurate record of the meeting.

CARRIED

5.2 INTERESTS REGISTER

This information was noted.

5.3 MAHINGA KAI-TAKAPŌ AREA

This report was prepared by Brad Waldon-Gibbons, Environment Canterbury. A presentation was given by Michael McMillan. He spoke on mahinga kai and traditional food sources in the region. Following this, the committee suggested that new committee members be given a document on mahinga kai when they join the committee. The chairman thanked the speakers for sharing their wisdom.

5.3 STATE OF WATER QUALITY IN UPPER WAITAKI ZONE

Water quality scientist Graeme Clarke spoke on water quality trends in the Upper Waitaki zone. He gave a presentation that is available as an attachment to these minutes. Questions were asked about what action was being taken at the Twizel River and other areas of concern. E coli is driving the “fair” result in the Twizel River. A question was asked why more sites could not be monitored. The reason was cost.

Do they test to see if the kai is edible? No, but the national policy statement was pointing to this happening in the future. Questions were asked about the collection of samples and the need to access testing data. The Ecan Council is leading a water data project to bring water sampling data together in one place. Dates for the outcomes of the water data project were requested.

Discussion moved to the TLI results and the reasons for the limits being exceeded. Lake Alexandra’s result was due to sampling happening later in the year and a “turnover event”. Mr Clarke expects this lake to return to below the limit next year. Some lake results were affected by rain events.

Kellands Pond decline was due to land use intensification in the catchment. Noted that five of the nine lakes were over their plan limits. Mr Clarke said his view was that Kellands Pond was due to intensification but the other results for other lakes were due to natural processes. He noted that climate change would produce more natural disruption to water quality. Climate change was also causing rapid changes to mahinga kai according to John Wilkie.

Discussion took place on aquatic ecology and the role of ducks and geese in e.coli results.

Mr Clarke talked about the hydrology of Lake Alexandrina. The water sits in the lake for about four years. There was a problem with algal blooms years ago. The response to that included adding contained septic tanks to the huts, and there hasn’t been a problem with algal blooms in recent years.

Mat Bayliss thanked Mr Clarke for sharing the science in a way people could understand.

Mr Bayliss then reported on the outbreak of oxygen weed, or Lagrasyphon, in the Waitaki lakes. Twice a year LINZ, co-funded by Meridian Energy, does work to monitor oxygen weed at the upper

Ahuriri Arm to make sure it is contained. This year's dive survey data has found some outbreaks beyond the Ahuriri Arm area. Three areas of concern are upstream of Benmore Dam, the eastern side of the Haldon Arm boat harbour, and in the upper end of the Aviemore River.

They plan to intensify hand weeding by divers. There would also be an escalation in communication activity. Mr Bayliss would like this to form part of the Love our Lakes campaign this summer due to the role of recreational water craft in spreading the weed. Ecan and LINZ comms people plan to meet and discuss this. LINZ was commended for the leadership shown.

COMMITTEE RESOLUTION UPP/2020/76

Moved: Chairperson Simon Cameron

Seconded: Mr Matthew Bayliss

That the Upper Waitaki Zone Water Management Committee recommends that Environment Canterbury includes the control of oxygen weed/ Lagrasyphon as an action point and continues the conversation with LINZ.

CARRIED

The meeting stopped for morning tea at 11.27am and reconvened at 11.52am

5.5 AHURIRI CATCHMENT

This report from Tami Woods, Environment Canterbury, provided a summary of the actions arising from past Zone Committee recommendations for the Ahuriri catchment; identified issues discussed at a workshop on 21 August about potential on-going risks of future TLI exceedances in the Ahuriri Arm of Lake Benmore, and presented recommendations for the committee to consider.

Tami Woods spoke to her report on the Ahuriri Catchment. She talked about the inequities between the different types of consent holders and how they responded when the TLI went over the limit in the plan. There were a lot of complexities involved.

The funding application to the Provincial Growth Fund was unsuccessful. The catchment group is now incorporated so can make their own application if they wish.

An ongoing concern was that the Ahuriri catchment might go over the limit again. Farmers might need to go beyond good management practice (GMP) to minimise the risk of going over the limit.

She asked the committee to consider the recommendations on page 26 of the agenda. Cr Sunckell explained how irrigation companies in other areas were involved in showing leadership on GMP. He suggested meeting with Benmore Irrigation to suggest they show leadership.

Cr Sunckell and Richard Subtil left the room at 12.17pm.

Tami Woods spoke about the themes at the bottom of page 31. These are things that may have changed since 2015. If these three things were looked at again would they make the risks higher or lower in terms of exceeding the TLI?

Cr Sunckell returned to the room at 12.20pm.

When the limits were set the assumption was that everyone would be farming to GMP. Since then the committee was hearing that GMP was not as extensive as thought. It would be good to visit those assumptions again.

Richard Subtil returned to the room at 12.21pm.

The committee saw some value in looking at the three things suggested by Tami Woods. Cr Sunckell would like to have a meeting with Benmore Irrigation and lay it on the line that their future literally revolves around action on the ground today, and getting buy in.

Assumptions made in 2015 were clearly wrong. They modelled for a plan that wouldn't fail and some members needed to understand the reasons why this was happening. Other members felt this work was unnecessary.

The committee agreed that Cr Sunckell, an Ecan staff member, Mat Bayliss and Kieran Whyte would meet with Benmore Irrigation.

COMMITTEE RESOLUTION UPP/2020/77

Moved: Joy Paterson

Seconded: Kieran Whyte

1. That the report be received.

CARRIED

COMMITTEE RESOLUTION UPP/2020/78

Moved: Joy Paterson

Seconded: Cr John Sunckell

2. That the committee decides whether it works with Benmore Irrigation Company and encourages them to show leadership, with their shareholders, in the Ahuriri catchment to reduce nutrient losses beyond those associated with good management practice (GMP).

CARRIED

COMMITTEE RESOLUTION UPP/2020/79

Moved: Joy Paterson

Seconded: Kieran Whyte

That Environment Canterbury:

- a) Monitor permitted activity farms to ensure they have 'Management Plans' in place and encourage them to implement the full suite of GMP's.

CARRIED

COMMITTEE RESOLUTION UPP/2020/80

Moved: Matthew Bayliss

Seconded: John Wilkie

- b) Reports back to the Committee on whether there is an increased risk of the TLI limit for the Ahuriri Arm of Lake Benmore being exceeded after exploring

any differences between the modelled assumptions (as part of the ZIPA process) and:

- Changes in knowledge about climate change impacts in Upper Waitaki;
- Any nutrient losses beyond what was modelled; and
- The implementation of GMP (loss rates and/or practices) through the LWRP and assessment of consent compliance.

CARRIED

Member Richard Subtil asked for it to be recorded that he declared an interest and did not take part in either the discussion or the vote.

5.6 ZONE FACILITATOR'S REPORT

This report was from Ian ("Whit") Whitehouse, Acting Zone Facilitator, Environment Canterbury. Ian Whitehouse circulated an agenda paper that would go to the Waitaki District Council meeting on October 27, containing the Waitaki District Council's priorities for the zone committee.

Communications Advisor Kate Doran circulated copies of current communications activity.

Discussion was held on the November hangi and who to invite – the Mackenzie Alignment people and the school have been invited. Other suggestions were the chairperson of Benmore Irrigation. There might be in a fire ban in place so Richard Subtil and Kieran Whyte offered to work on getting permission if it was required.

Next year's plans –

- The committee said a visit to Glenmore Station/Lake Alexandrina to see the results of the Immediate Steps Biodiversity Fund was something they wanted to do. Twizel River was also of interest.
- The committee would like to continue the mahinga kai journey.
- They agreed there was a need to get an understanding of priorities, including the list from the Waitaki District Council.
- Education was requested from the aquaculture groups, and another visit.
- It was suggested that the committee invite the LINZ biosecurity manager for the Upper Waitaki Lakes to a meeting after the next dive survey, for an update on invasive aquatic weeds.
- An update on Lake Ruataniwha was requested after summer.

The Meeting closed with a karakia from Michael McMillan at 1.01pm.

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

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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 11 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 shares, or a Trust of which the Member or their spouse is a trustee (noting that no committee

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

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.
Michael McMillan	Te Rūnanga o Arowhenua.

1.3 TAKAMANA (LAKE ALEXANDRINA)

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: Nil

STAFF RECOMMENDATIONS

That the Upper Waitaki Zone Water Management Committee determines whether any further follow-up is required at this stage.

PURPOSE OF REPORT

This report is to follow on from the field trip to Lake Alexandrina and Glenmore Station to determine whether any further follow-up is required.

Further information regarding the *Future management of Lake Alexandrina and Lake McGregor* report received from Cr Stuart Barwood:

- Mackenzie District Council are workshopping the report in March and meeting in April looking to set up a Steering Group of all parties with an active interest in the Lakes.

1.4 LAKE RUATANIWHA CONTACT RECREATIONAL WATER QUALITY RESULTS

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Map of Ruataniwha sampling sites [↓](#) 

PURPOSE OF REPORT

This report is from Shirley Hayward, Science Team Leader - Water Quality and Ecology, Environment Canterbury.

This report is to inform the Zone Committee of the water quality results received over the December/January period.

STAFF RECOMMENDATIONS

1. That the report be received.

BACKGROUND

Lake Ruataniwha has a popular swimming area in the shallow embayment around the Lake Ruataniwha campground. This site is included in Environment Canterbury's summertime contact recreational water quality monitoring programme (Arthur 2020). This means that we collect water quality samples weekly for faecal indicator bacteria (*Escherichia coli* (*E. coli*)) from late November to early March each year.

While the microbial quality of Lake Ruataniwha has historically been graded as 'Good' to 'Very good', during the 2019/20 summer high concentrations of *E. coli* were found that resulted in health warnings being issued by the CDHB for the lake in early January 2020, at a time of very high usage.

Investigations during and after the event concluded that there were no obvious sources from local activities such as campground sewerage system, domestic sewage systems, grazing livestock or waterfowl. While no definitive cause was identified, we could not rule out contamination from human or dog waste and considered this source was 'likely.' This could be from people and/or dogs defecating in or near the water, rather than using a toilet or collecting dog waste.

APPROACH THIS SUMMER TO WATER QUALITY MONITORING

The monitoring of Lake Ruataniwha this summer involved two additional steps. Firstly, we collected additional samples on each occasion, that would have allowed faecal source tracking (FST) analysis if high *E. coli* concentrations were found.

Secondly, over the Christmas/New Year holiday period, we did more frequent sampling and collected samples from two additional sites (see Map below for location of sampling sites). The additional sampling sites were those that showed high *E. coli* results during last summer's event. Sampling frequency was constrained by laboratory opening hours and courier services.

FINDINGS

The table below presents the results. No samples from the main swimming site showed *E. coli* concentrations above the alert or warning thresholds for the 2020/21 summer. Samples from the additional sites also showed low *E. coli* concentrations. One set of samples collected on the 6th January did show slightly elevated concentrations at two of the three sites. These were not high enough to cause concern and subsequent samples indicated a return to lower concentrations.

No samples contained high enough *E. coli* concentrations to warrant FST analysis.

Overall, the results provide encouraging indication that there is not an ongoing or frequently occurring faecal contamination event around Lake Ruataniwha. We cannot dismiss the possibility of events being missed, but given the higher frequency of sampling, and multiple sites, we can be reasonable confident that if a significant faecal contamination event occurred during the Christmas/New Year period, it would have been likely detected.

The 'One Poo Can Close a Lake' campaign along with provision of public toilets at the popular swimming site would have contributed to reduced risk of a high *E. coli* event.

KEY CONCLUSIONS

- Despite more intensive sampling over the Christmas/New Year period, no high *E. coli* events were detected in Lake Ruataniwha this past summer.
- Lake Ruataniwha was assessed as suitable for swimming throughout the summer period.
- The 'One Poo Can Close a Lake' campaign along with provision of public toilets at the popular swimming site are likely to have reduced risk of a high *E. coli* event.

REFERENCE

Arthur, J. 2020: Canterbury water quality monitoring for primary contact recreation. Annual Summary Report 2019/20. R20/56.

Map of 3 sampling sites for Lake Ruataniwha – December 2020 to January 2021

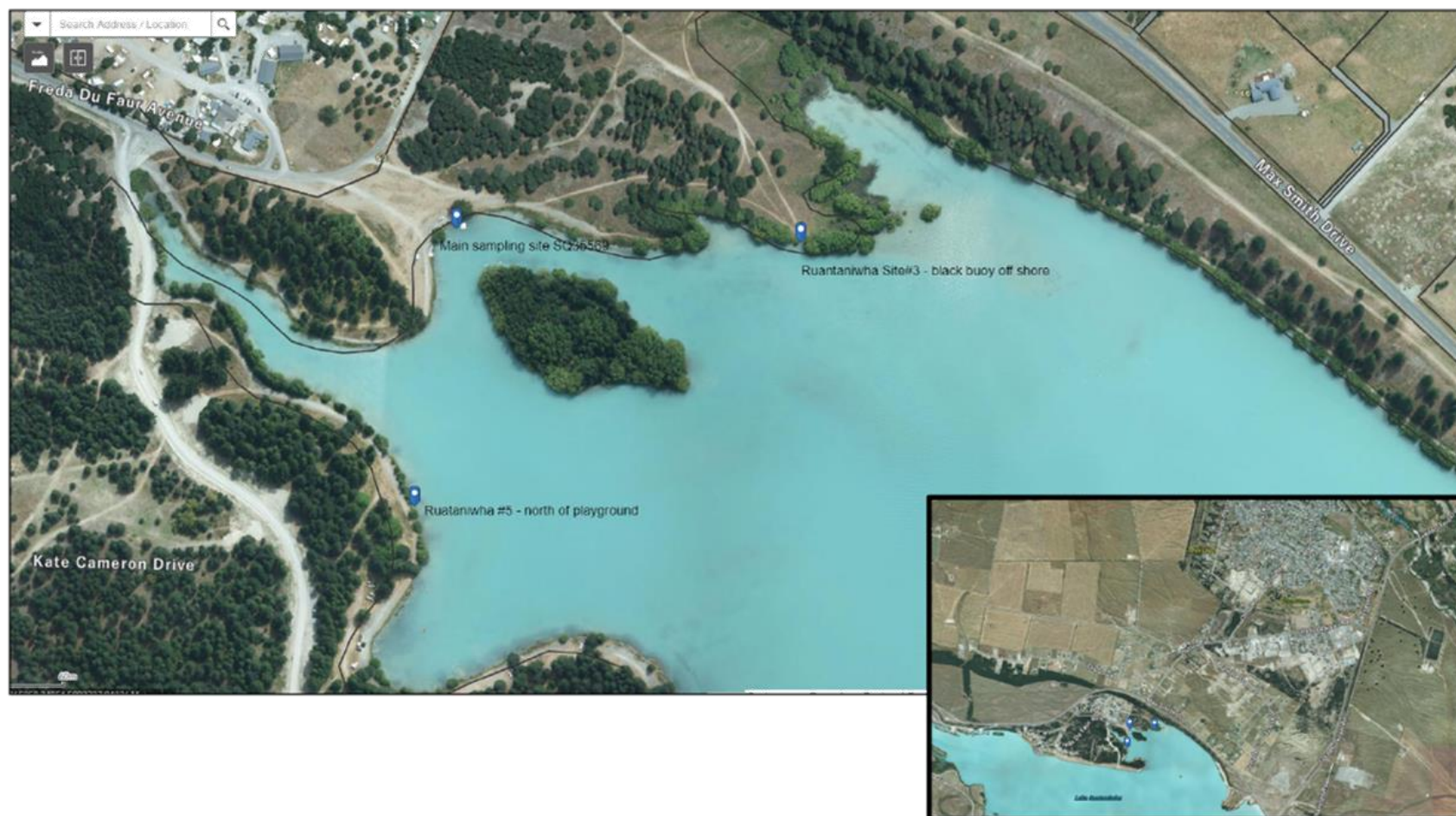


Table 1 *E. coli* results from Lake Ruataniwha over the 2020/21 Christmas/New Year period

Site name	Site description	Date sampled	Single sample alert level	Single sample warning level	E. coli result 2020 - 2021 (MPN/100 ml)								
					15 Dec	22 Dec	29 Dec	30 Dec	31 Dec	05 Jan	06 Jan	07 Jan	12 Jan
Lake Ruataniwha campground (SQ35569)	Regular summertime monitoring site		>260	>550	2	69	26	40	23	45	138	55	7
Ruantaniwha extra #3	East of swimming monitoring site		(MPN/100 ml)	(MPN/100 ml)		17	25	7	56	35	148	26	
Ruantaniwha extra #5	North of playground					2	2	<1	34	7	3	9	

1.5 "ONE POO CAN CLOSE THE LAKE" PUBLIC AWARENESS CAMPAIGN SUMMER 2020/21

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: Nil

PURPOSE OF REPORT

This report is from Kate Doran, Senior Communications & Engagement Advisor, Environment Canterbury.

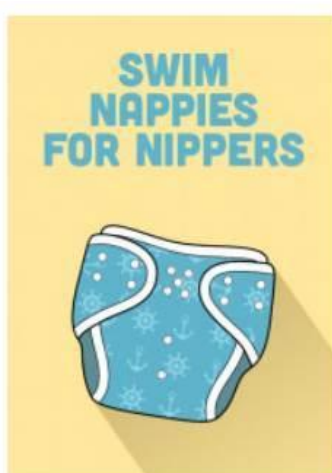
This report is to inform the Zone Committee of the highlights and opportunities of the 'One Poo Can Close the Lake' Public Awareness Campaign.

STAFF RECOMMENDATIONS

1. That the report be received.
2. That the Upper Waitaki Zone Water Management Committee recommends that the Lake Ruataniwha working group convene, with the support of the Zone Committee, to discuss future strategies for responsible toilet use.

'One Poo Can Close the Lake' Public Awareness Campaign Summer 2020/21**Campaign planning and strategy**

- The 'One Poo Can Close a Lake' campaign was **developed in response to a significant health alert** event at Lake Ruataniwha in 2020 and on request of a community working group formed to look at the E. coli pollution issue.
- The campaign was designed to **complement practical measures** put in place by the group, such as the temporary toilets, and generally **spread an awareness message** that people should always use a toilet, to reduce likelihood of the waterways becoming polluted with harmful bacteria.
- The creative concepts (see above and below) chosen by the community group were **designed to be eye-catching** and a talking point for the target group of young people and families.
- A **variety of tactics** were used: Posters and advertising were placed around Upper Waitaki, as well as media news stories, and website and social media. Key page: www.ecan.govt.nz/usealoo.
- A **map of Lake Ruataniwha toilet locations** was created and given to visitors of the nearby holiday park, as well as to Responsible Camping Ambassadors to hand out.
- **Promotional items**, including Love Our Lakes dog poo bag holders and hand sanitiser, were also given to Responsible Camping Ambassadors to distribute to campers and holiday makers in person as an incentive for 'doing the right thing'.
- The **scale of the campaign** was adjusted for COVID-19 restrictions. This predicted lower visitor numbers and a shorter holiday season (more concentrated around NZ school holidays).

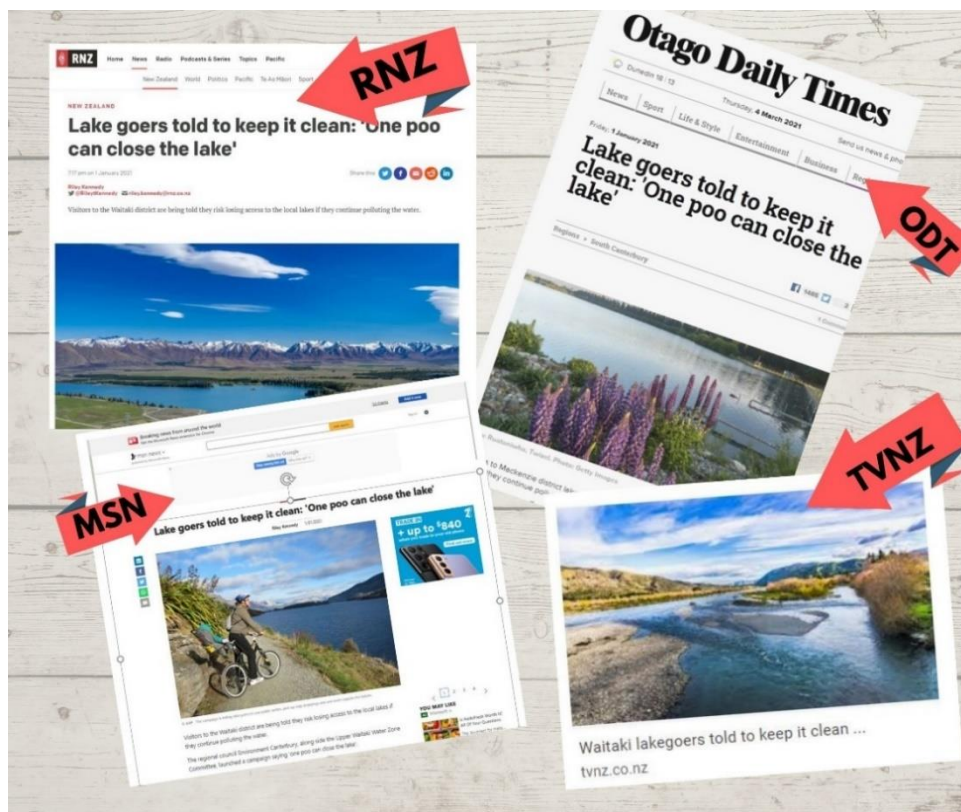


Creative concepts for the campaign were designed to be simple and eye-catching.

Campaign highlights:

- The campaign received **great media coverage during peak holiday time**, which let many people around Canterbury and New Zealand know about the 'One poo can close a lake' message.

Coverage included: Radio New Zealand – radio interviews and website articles, TVNZ, Newshub, MSN.com and the ODT, as well as local papers Timaru Courier, Omarama Gazette and Twizel Update.



Some of the media coverage of the 'One Poo Can Close the Lake' campaign.

- The **striking creative work**, created by ECan Communications and Engagement staff, received much positive feedback and has been designed a way that can be used and shared widely in the future.



was placed on the practical provision of toilets.

- Feedback from the Responsible Camping Ambassadors showed that the **promotional items** were very well-received. "The dog poo bags and hand sanitiser have been greatly appreciated and, upon hearing about the campaign, as well as last year's lake contamination, I tend to get a few camper stories of their experiences."

- **Digital measurement** shows the Facebook posts were engaging (610 organic engagements on the first post alone) and the [Love Our Lakes picnic pack competition](#) received more than 160 entries. Note: On-site measurement of the campaign was not undertaken, ie on-locations interviews. Focus and budget (endorsed by the community working group)

Learnings and opportunities:

- The temporary **toilet launch BBQ** was not well attended. The cold, grey weather meant that there were few holiday makers at Lake Rutaniwha that day, despite the event being planned during school holidays (21 December). In addition, some of the invited guests had already headed away on holiday. However, it allowed staff to check the positioning of the toilets, put up extra signage and liaise with key stakeholders, like the camping ground owner and local council staff.
- After the rental toilets were removed, a letter writer to Twizel Update complained of seeing **toilet paper and human waste** around Lake Rutaniwha. This was disappointing but after checking with our local contacts it seems that the weekend in question (Waitangi Weekend) was one of the hottest and busiest days of the season. It's unlikely advertising and messaging would have been able to prevail over an acute demand for toilets, reinforcing that both practical and awareness-raising methods are important.



Temporary toilets at key location

Questions to think about:

- Does the committee want to carry out a 'One Poo Can Close the Lake' campaign again **next year**? Awareness raising can often take many years of repeating the same message before behaviour changes.
 - How should the toilet focus fit with the rest of **Love Our Lakes messaging** eg. rubbish/aquatic weeds/ grey water going in lake etc? Do these other themes also need more focus?
 - If continued next year – would the committee consider using the developing area of **camping apps** to alert people to messaging when entering the zone? This could potentially apply to all Love Our Lakes messaging.
-

1.6 ENVIRONMENT CANTERBURY TWIZEL RIVER WORKS

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: 1. Twizel River Works Map [↓](#) 

PURPOSE OF REPORT

To inform the Upper Waitaki Zone Committee of proposed works in the Twizel River by Environment Canterbury. This report is from Sam Kidner, River Engineering Officer, Environment Canterbury.

STAFF RECOMMENDATIONS

1. That the report be received.

BACKGROUND

Environment Canterbury (ECAN) wish to inform the Upper Waitaki Zone Committee of the proposed works in the Twizel River to protect the stopbanks, due to on-going erosion of the riverbank.




Environment Canterbury River Engineering are planning to remove the gravel (around 2,000m³) in the orange area of the attached map to create a dry channel that would act as an overflow channel for the next high flow event. This would hopefully reduce the water flow heading round the bend and eroding the bank. As we only give the water an opportunity to shift rather than divert it, we cannot guarantee the results. We would hope for a split between the old channel and new thus reducing the erosion but there is potential of the old channel and swimming hole drying out. Because of this, we have suggested other areas that could be potential swimming areas if this were to occur. It was also noticed from a recent site inspection that the walking/bike track has been eroded.

In addition, we have suggested an area that could be made into a wetland. Environment Canterbury River Engineering are unable to fund these suggested projects but would be happy to support and advise if necessary. We are happy for ideas and thoughts but are on a timeline due to the worsening erosion problem.




Refer to attached plan.



Point Drawings

-  Potential Swimming Hole
-  Potential Reinstatement of Old Swimming area
-  Willow removal and Reinstatement

Area Drawings

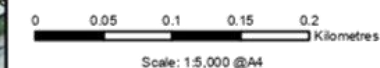
-  Gravel Extraction
-  Potential Wetland
-  Rating Units with Ratepayer & Owner Details

Legend note: if you have a large number of layers on the map, they may not all be visible in the legend.

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1.7 MACKENZIE BASIN AGENCY ALIGNMENT COMMITTEE RESPONSE TO TWIZEL RIVER RESTORATION

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments:

1. **Map of Twizel River Restoration Area**  
2. **Correspondence from Mackenzie Basin Agency Alignment Programme**
 

PURPOSE OF REPORT

To inform the Upper Waitaki Zone Committee of the Mackenzie Basin Agency Alignment Committee response to the Twizel River restoration concept.

STAFF RECOMMENDATIONS

1. That the report be received.
2. That the Upper Waitaki Zone Water Management Committee considers whether to further pursue restoring the Twizel River for recreational and mahinga kai purposes and if in agreeance, what next steps to take.

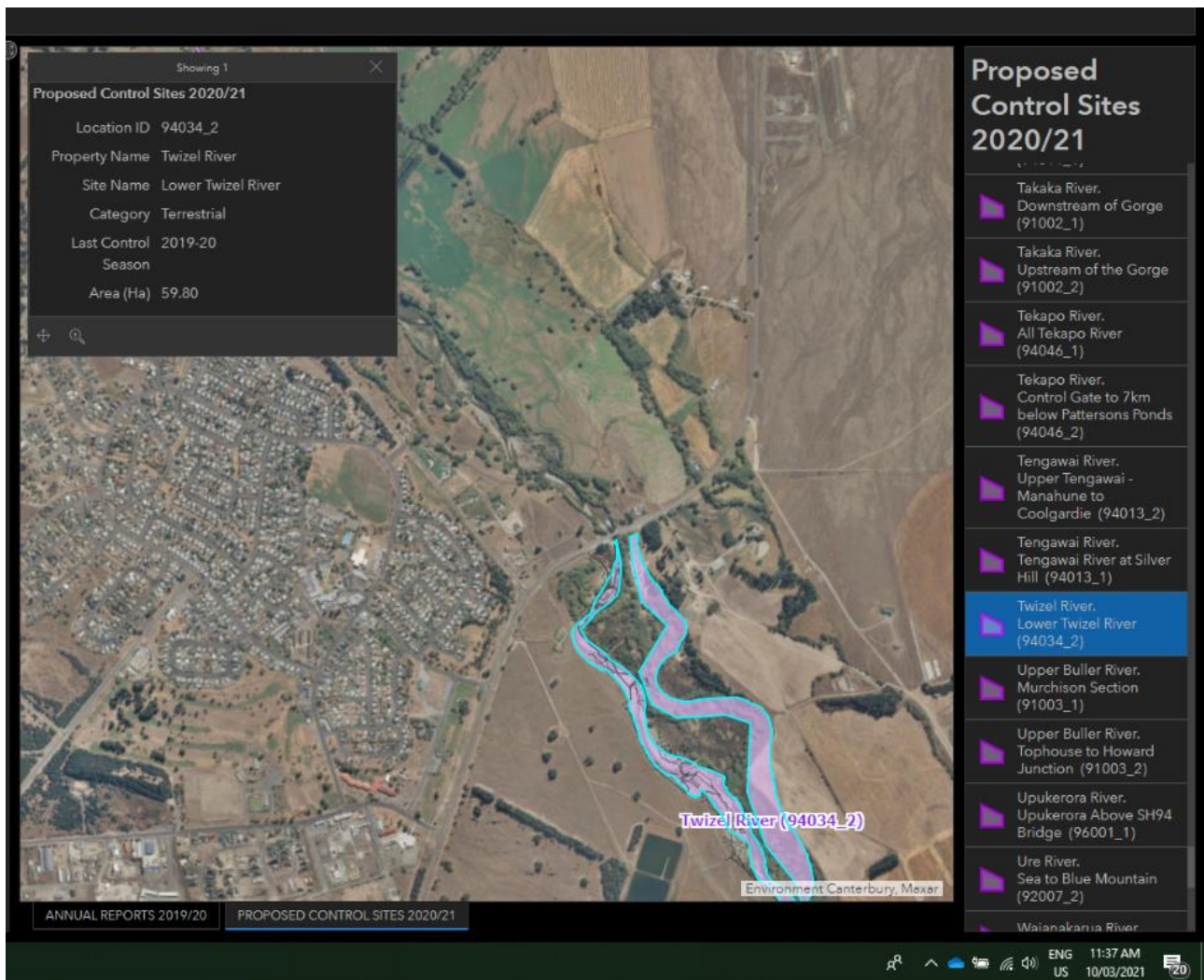
BACKGROUND

Following an Upper Waitaki Zone Committee field trip to the Twizel River in June 2020 and meeting-discussions in October 2020, a memo was sent to the Mackenzie Basin Agency Alignment Programme. The memo highlighted the Zone Committee concerns of gravel build-up, pest plants (lupins, broom, and willows) and loss of recreational values in the Twizel River. It noted the Committees ideas for river restoration, one of which was to engage with agencies (via the Mackenzie Basin Steering Committee) and gauge their level of support for such a project.

The memo posed the following questions:

- How does the Steering Committee see the Twizel River restoration progressing?
- Where do they see their involvement in this project?

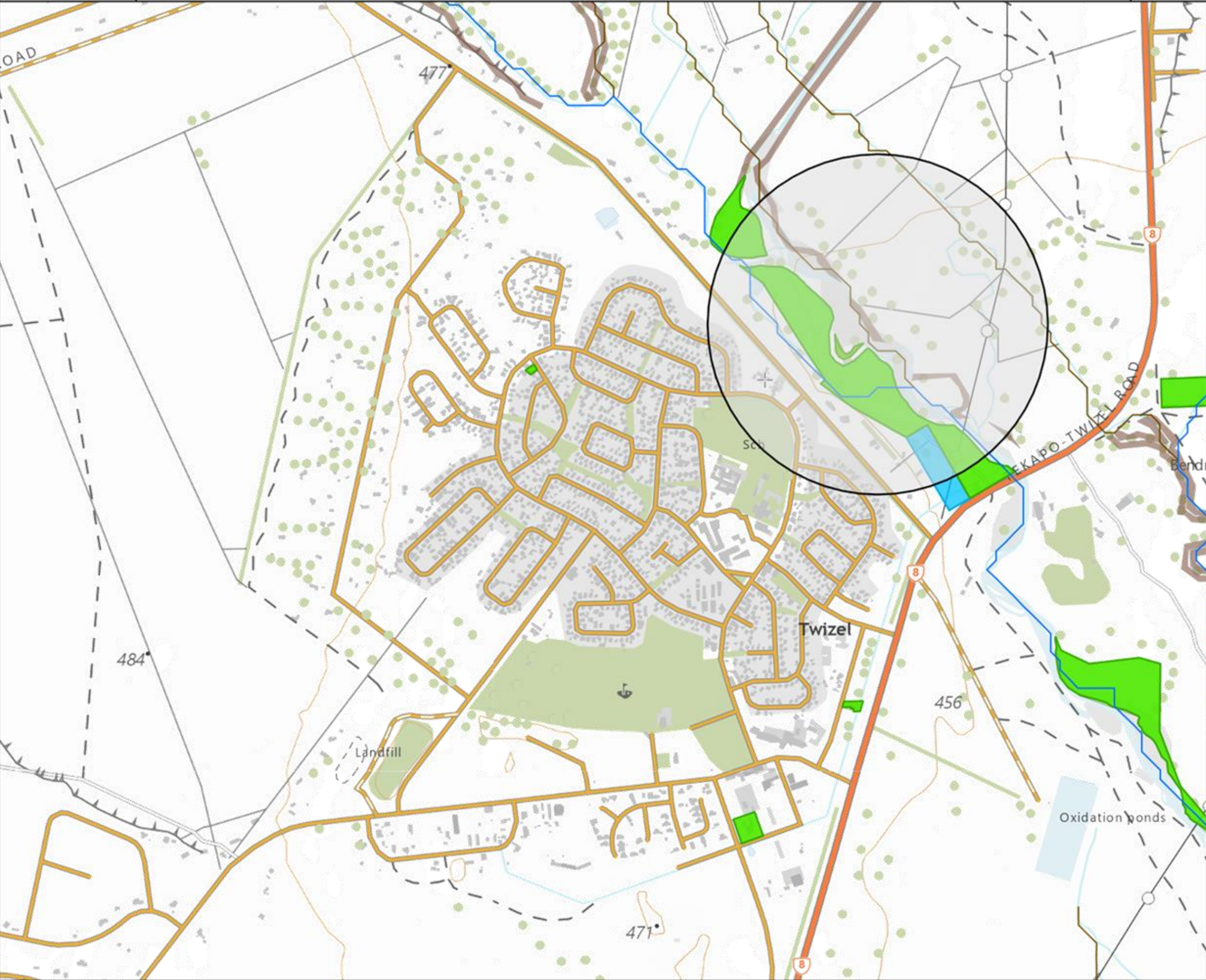
A response was received from Programme Manager Mackenzie Basin Agency Alignment Programme on 23 December 2020 – see correspondence attached.



LINZ - annual biosecurity work programme for Twizel River as mentioned in Correspondence from Mackenzie Basin Agency Alignment Programme



Twizel River

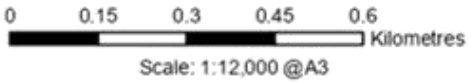


- Twizel River Discussion Location
- LWRP - Water Quality Management Units and Classes - Rivers - Water Quality Management Units and Classes - Rivers
- Alpine Upland
 - Hill-fed Upland
 - Spring-fed Upland
 - Lake-fed
 - Alpine Lower
 - Banks Peninsula
 - Hill-fed Lower
 - Hill-fed Lower Urban
 - Spring-fed Lower Basin
 - Spring-fed Plains
 - Spring-fed Plains-Urban
 - Regional Plans
 - Regional Plans
 - Regional Plans
 - Natural State
- LINZ Protected Areas
- Reserve
 - Conservation Area
 - Marginal Strip
 - Wildlife Area
 - Marine Area
 - National Park
 - Other
- DOC Public Conservation Land
- National Park
 - National Park
 - Conservation Park
 - Specially Protected Area
 - Specially Protected Area
 - Specially Protected Area
 - Specially Protected Area
 - Specially Protected Area
 - Specially Protected Area
 - Reserve
 - Reserve
 - Reserve
 - Reserve
 - Reserve
 - Reserve
 - Reserve
 - Reserve
 - Stewardship Area
 - Marginal Strip
 - Marginal Strip
 - Wildlife Management Area
 - Waitangi Endowment Forest

Legend note: if you have a large number of layers on the map, they may not all be

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Janine Roux

From: Annabelle Dunn
Sent: Wednesday, 23 December 2020 1:21 PM
To: Janine Roux
Cc: April Hussey; Karina Morrow
Subject: Response to UWZC - Twizel River Restoration Proposal
Attachments: Memo - UWZC - Twizel River Restoration Proposal (12 Nov 2020).pdf

Kia ora Janine,

Thank you for your recent correspondence regarding proposed restoration of the Twizel River. Agency representatives on the Mackenzie Basin Steering Committee have considered this and have provided a response as per below from DOC and LINZ.

Please note that the Mackenzie Alignment Programme now comprises a partnership of 8 partners that includes Mana Whenua (Te Rūnanga o Arowhenua, Te Rūnanga o Waihao, Te Rūnanga o Moeraki). We are currently co-designing a new work programme and related priorities. Any resources (funding or people) that the Zone Committee may be seeking will need to be considered as part of individual agency processes (e.g. LTP for ECan, and relevant processes for LINZ and DOC) as the Programme does not have funding available.

Ngā mihi,
Annabelle.

Response from DOC and LINZ:

The indicated site for the Twizel restoration project has a mixture of land ownerships, including DOC, MDC and unidentified Crown land (no current known owner), and has been subject to some agency activity in the past.

More specifically, DOC has previously undertaken broom control in this area and LINZ, while not having any ownership or administration responsibilities in this particular area, undertake broom and gorse control work in the lower parts of the river. There are no immediate plans for further control in the area by DOC and any LINZ works further south will continue in line with the annual biosecurity work programme which can be found [here](#).

Both DOC and LINZ appreciate that the site has significant value to the local community as a recreational area and thank the Committee for taking the time to put such a proposal together. We understand a further proposal may be developed and are open to inputting on this, noting that both departments have existing priorities for which funding is already committed and thus efforts are currently focused elsewhere.

Annabelle Dunn
Programme Manager Mackenzie Basin Agency Alignment Programme
Zone Delivery
+64 27 265 2584

1.8 ZONE FACILITATOR'S REPORT

Author: Arlene Goss, Governance Advisor

Authoriser:

Attachments: Nil

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. Treaty of Waitangi training

If you are interested in attending a two-day Treaty of Waitangi workshop, please contact your facilitator. Below are the dates and locations for 2021:

- Timaru – Tuesday 11 May – Wednesday 12 May 2021
- Waimakariri – Wednesday 11 August – Thursday 12 August 2021

2. CWMS Zone Committee Review

The Mayoral Forum confirmed the zone committee review approach, including a revised Terms of Reference, the introduction of the Letter of Shared Priorities and Zone Committee Action Plans for zone committees (27 November 2020). Following this, the Regional Council confirmed the revised Terms of Reference at its 10 December meeting.

With zone committees being joint committees of councils, a significant next step will be scheduling a similar confirmation process for all Territorial Authorities associated with the CWMS in the first half of the year.

3. Zone Committee Community members refresh process

Applications will open mid-April and the induction process will commence in June. Community representatives will be appointed by a panel of CWMS partners – a Councillor from each council and a representative from each rūnanga whose takiwā is within the zone. The panel will be chaired by the Independent Chair. Lisa Anderson is up for refresh this year.

4. Environment Canterbury decision on the CWMS Regional Committee review

The decision of the Council on the CWMS Regional Committee review is set out below:

- Retain the function (monitoring progress and providing advice) of the Regional Committee (minor amendments).
- Retain the Regional Committee as a committee of council.
- Reduce the size of the committee by removing zone committee and territorial authority representatives and reducing representation of Environment Canterbury to one councillor.
- Invite a District Health Board representative to join the committee as a member.

As noted in the 10 December Council paper, Council recognises the need for continued engagement across zone committees and will look to facilitate more regular Chairs/Deputy Chairs meetings and encourage bilateral committee workshops, meetings, and field trips. Council have also scheduled more regular governance to governance meetings with territorial authorities around the region and will look to make the most of the various forums now established under the Mayoral Forum.

5. Updated Action List

The Action List below updates the committee on progress on items identified at previous zone committee meetings in 2019 and 2020. Items that have now been completed are not included in this list.

Upper Waitaki Zone Committee – March 2021 Action list (updated from October 2020)

Date of meeting	Action	Who	Status
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	Work in progress
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	Not progressed
18 September	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	Schedule agenda item for March

19 June	Investigate issues within Twizel Riverbed and responsibilities	Zone Facilitator	Schedule agenda item for March
19 June	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)	Not yet progressed
19 June	Increased focus on compliance monitoring in the Ahuriri catchment, with a focus on delivering good management practice and a consistent approach to enforcement	Environment Canterbury	Underway
19 June 2020	Update on the Lake Alexandrina Management Plan to be included in Facilitators report	Tami Woods	Field trip and discussion held in Feb. Schedule agenda item for March
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	Tekapo Community Board representative attending field trip in Feb. Intent is to continue building this relationship.
20 September 2019	Committee recommends that DOC commission a survey report around lake Middleton and then return to the Committee for a discussion around next steps	Jeremey Severinsen	Jeremy Severinsen had 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.	Jeremey 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