



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

Date: Friday, 16 February 2018

Time: 9.30am

Location: Mackenzie Country Inn

Twizel

AGENDA

Upper Waitaki Zone Water Management Committee Meeting

16 February 2018

Arlene Goss

Committee Administrator (Temp)

Upper Waitaki Zone Water Management Committee Membership:

Simon Cameron (Chairman)
Lisa Anderson
Matthew Bayliss
Sandra Hampstead-Tipene
Barry Shepherd
Richard Subtil
John Sunckell
John Wilkie
Craig Dawson
Stuart Barwood

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 **CONFIRM MINUTES**
- 5 **VISITORS**

Upper Waitaki Zone Committee Meeting		
Friday 16 February 9:30am Mackenzie Country Inn, Twizel		
9:00am	Arrive / cup of tea	Lead
9:30	Standing Items Apologies, Minutes, Correspondence, Regional Committee update, Facilitators update	
9:45	Election of Chair, Deputy Chair and Rep for the Regional Committee - For Decision	Arlene Goss
10.00	Follow up from 2017 December Field Trip Actions Draft 2017 Annual Report Biosecurity Awareness Campaign - For information and discussion	Chris Eccelston and Barb Gilchrist
10.45 – 11.00	Morning Tea	
11:00	ZC Focus and Game Plan for 2018 - 11 meetings so far scheduled, - How is the ZC going to use this time to make a difference to deliver ZIP and ZIPA outcomes? - What's the ZC "game plan"?	Barb Gilchrist
12:20	ZC Actions for this Month - Comms – what is this month's message/ <u>who is taking the photo's?</u> VART = Visual, Action, Real, Takeout - Immediate Steps Projects Follow up past projects, check in with applicants, how's it going, visit? ZC member report feedback next meeting <u>Who is following up?</u>	Zone Committee
12:45	General Discussion	Zone Committee
1:00pm	Close and Lunch	

6 REPORTS

6.1 CONFIRMATION OF MINUTES

File Reference: NA

Author: Arlene Goss, Committee Administrator (Temp)

Authoriser:

Attachments: 1. Minutes Upper Waitaki Zone November 2017  

STAFF RECOMMENDATIONS

That the Minutes of the Upper Waitaki Zone Water Management Committee Meeting held on Friday, November 17, 2017 , be received and adopted as a true and accurate record of the meeting.

ARLENE GOSS

COMMITTEE ADMINISTRATOR (TEMP)

**ENVIRONMENT CANTERBURY
MACKENZIE AND WAITAKI DISTRICT COUNCILS**

**UNCONFIRMED MINUTES OF THE MEETING OF THE UPPER WAITAKI ZONE
WATER MANAGEMENT COMMITTEE,
HELD AT OMARAMA STATION,
OMARAMA, ON NOVEMBER 17, 2017, AT 11.00 AM**

PRESENT:

Simon Cameron (Chair)
Lisa Anderson
Matthew Bayliss
Sandra Hampstead-Tipene
Barry Shepherd
Richard Subtil
John Sunckell
John Wilkie
Jay Graybill
Craig Dawson
Stuart Barwood

IN ATTENDANCE:

Pat Shuker, Twizel Community Board
Arlene Goss, Committee Administrator
Chris Eccleston, Environment Canterbury
Lesley Woudberg, Environment Canterbury
Peter Ramsden, Environment Canterbury
Rick Ramsay, Aquaculture Industry Group
Kate Doran, Environment Canterbury
Elizabeth Soal, University of Otago
Don McKewan, Omarama resident
David Stone, public
Jill Stone, public
Other observers and members of the public

WELCOME AND KARAKIA:

The chairman welcomed everyone and asked Peter Ramsden to open the meeting with a karakia. New member, Councillor Stuart Barwood from Mackenzie District Council, was welcomed to the committee. Those present were asked to introduce themselves.

APOLOGIES:

An apology was received from Mike King.

MINUTES AND MATTERS ARISING:

Resolved: that the minutes of the meeting of the Upper Waitaki Zone Water Management Committee, held on October 20, 2017, be confirmed and adopted as a true record of the meeting.

Simon Cameron/Craig Dawson

There were no matters arising.

CORRESPONDENCE:

There was no correspondence.

REGIONAL COMMITTEE UPDATE:

Lesley Woudberg, Environment Canterbury, outlined success stories from the wider region, including success in controlling crack willow but less successful controlling grey willow (Te Waihora / L Ellesmere).

BIODIVERSITY/ECOSYSTEM HEALTH:

Chris Eccleston from Environment Canterbury gave an update on the Immediate Steps programme. Since it began in 2011, \$621,000 has been allocated by the committee. Committee members asked for a breakdown on where the money has been spent, and questions were asked about specific projects. Ian Lyttle will update the committee at its next meeting.

Wendy Patterson, Clifton Downs, Omarama Stream raised the issue of follow-up of projects that have been funded by the committee. She said she has worked to improve biodiversity on her land but there has been no follow-up from committee members or Environment Canterbury staff. Discussion took place on the best ways to follow up and check how completed projects are going. It was agreed that follow up was needed and the committee decided to undertake a field trip instead of meeting in December to view some of the projects that have been funded in the past.

FUNDING APPLICATION FOR FISH BARRIER:

A report outlining a project to install a fish barrier at Mt Joseph was considered by the committee. \$11,500 has been requested from the Immediate Steps funding to support this project.

Resolved: that the Upper Waitaki Zone Water Management Committee funds the Mt Joseph project to install a fish barrier to the amount requested of \$11,500.

Jay Graybill/Barry Shepherd

It was also recommended that provision be made to ensure migratory fish can pass the barrier.

RESEARCH:

Elizabeth Soal is a PhD student in the geography department at the University of Otago. She spoke to the committee about her planned research into the collaborative governance model of fresh water management. She plans to use the Upper Waitaki Zone committee as a case study and asked to interview members and other stakeholders. She was received favourably by the committee.

ANNUAL REPORT UPPER WAITAKI:

This item was not discussed due to time constraints.

COMMUNICATION:

Kate Doran, Environment Canterbury, updated the committee on current communication activities and recent articles in the media.

GENERAL BUSINESS:

Richard Subtil reported on the current activities of the Omarama Stream water users group and issues with the Omarama stream.

NEXT MEETING:

The formal meeting planned for December 15 at Mackenzie Country Inn has been cancelled and replaced by a field trip to visit Immediate Steps-funded biodiversity projects. The next formal meeting will be held 16 February 2018.

**THERE BEING NO FURTHER BUSINESS
THE CHAIRMAN DECLARED THE MEETING CLOSED AT 12.00PM**

CHAIRMAN: _____

DATE: _____

6.2 ELECTION OF CHAIR AND DEPUTY CHAIR**File Reference:** NA**Author:** Arlene Goss, Committee Administrator (Temp)**Authoriser:****Attachments:** 1. Report on Election of Chair/Deputy Chair [↓](#) **STAFF RECOMMENDATIONS**

That the Upper Waitaki Zone Committee

1. **Notes** its role and functions under the Local Act 2002 and Zone Committee Terms of Reference.
2. **Elects:**
 - XX as Chair for 2018
 - XX as Deputy Chair for 2018
3. **Confirms** the appointment of:
 - XX as Regional Representative for 2018

ARLENE GOSS

COMMITTEE ADMINISTRATOR (TEMP)

AGENDA ITEM NO:	SUBJECT MATTER: Role and Function of the Zone Committee and Committee Election
REPORT BY:	DATE OF MEETING: 16 February 2018

Purpose

1. Remind ourselves of the role and function of the zone committee.
2. Elect a Chair, Deputy Chair and confirm a Regional Representative for 2018.

Recommendation

That the Upper Waitaki Zone Committee

1. **Noted** it's role and functions under the Local Act 2002 and Zone Committee Terms of Reference.
2. **Decided** to elect:

XX as Chair for 2018
XX as Deputy Chair for 2018
3. **Confirms** the appointment of:

XX as Regional Representative for 2018

The Zone Committee

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

The committee is a joint committee of Mackenzie District Council, Waitaki District Council and Environment Canterbury.

The purpose and function of the committee is to:

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

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

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

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

Operating Philosophy

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

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

Elections

Each year, the Committee is required to appoint the Chair and Deputy Chair from the membership by simple majority. There is no limit on how long a person can be in either of these positions. The committee also needs to appoint a member to the position of representative on the regional committee.

Process to Elect of Chair and Deputy Chair (ref. Christchurch City Council standing Orders)

A local authority or a committee (if the local authority has so directed) must determine by resolution that a person be elected or appointed by using one of the following systems of voting:

- (a) [System A]; or
- (b) [System B].

System A

- (a) requires that a person is elected or appointed if he or she receives the votes of a majority of the members of the local authority or committee present and voting; and
- (b) has the following characteristics:
 - (i) there is a first round of voting for all candidates; and
 - (ii) if no candidate is successful in the round there is a second round of voting from which the candidate with the fewest votes in the first round is excluded; and
 - (iii) if no candidate is successful in the second round there is a third, and if necessary subsequent round of voting from which, each time, the candidate with the fewest votes in the previous round is excluded; and
 - (iv) in any round of voting, if 2 or more candidates tie for the lowest number of votes, the person excluded from the next round is resolved by lot.

System B

- (a) requires that a person is elected or appointed if he or she receives more votes than any other candidate; and
- (b) has the following characteristics:
 - (i) there is only 1 round of voting; and
 - (ii) if 2 or more candidates tie for the most votes, the tie is resolved by lot."

[cl. 25, Schedule 7, LGA]

6.3 DECEMBER FIELD TRIP ACTION LIST

File Reference: NA

Author: Arlene Goss, Committee Administrator (Temp)

Authoriser:

Attachments: 1. Field Trip Action List [!\[\]\(5a132f13505a6571904d622757b7a8f0_img.jpg\)](#) 

STAFF RECOMMENDATIONS

That the information be noted.

ARLENE GOSS

COMMITTEE ADMINISTRATOR (TEMP)

Upper Waitaki Zone Committee

Field Trip 15 December 2017

Action List

Twaddles Swamp – Clifton Downs

February 2016 Clifton Downs agreed to fence off and make stock proof Twaddles Swamp. The aim of the project is to exclude stock to reduce damage to the waterway, including pugging, sedimentation and bank erosion. The swamp provides feeding and spawning habitat for bignose galaxias (species is threatened-nationally vulnerable). Bignose are only found in the Waitaki catchment. Approx. 1.3km of fencing, IS contribution \$10,000 plus contributions from Clifton Downs. Clifton Downs has also been active in fencing off other waterways on the property.

Action	Who	Time Frame	Comment
Undertake an investigation to assess the state of the "Big Nose Galaxis" population – are the fish still there? Assess habitat – is the current mgt (fenced and all stock excluded) the best mgt regime for the "Bignose"? has the protection improved the state of the "Bignose" population	Robert Carson-Iles (ECan - Timaru) Dean Nelson (DOC - Twizel)	Feb 2018	Rob has called Wendy and they've agreed to do some electric fishing in early Feb and assess habitat mgt
Regularly visit or contact applicants who have received IS funding to see how the project is going – schedule 1-2 projects each month to visit or check in phone call	ZC (supported by ECan+DOC)	TBC Discuss @ Feb ZC mtg	The ZC has approved \$621,149 of IS funding since 2011/12, covering 25 projects

Omarama Stream – water quality

There are a number of properties with consents to take water on Omarama Stream above SH8. Most have water quality consent conditions that were set via the application of the NRRP standards in the absence of any data showing something different should apply. Consent holders monitoring their water quality (as required by their consent) contend that dissolved reactive phosphorous (DRP) and total phosphorus (TP) coming from DOC land at the top of the valley is over the limit set in their consents.

Action	Who	Time Frame	Comment
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Follow up meeting with Omarama Stream Care Group (Feb) What does the data tell us? Integrated monitoring - pilot programme on Omarama stream If the data tells us inputs of phosphorus from DOC land is exceeding trigger levels – what are the options to change consent conditions in order for them to be achievable? - Easier now or wait till PC 5 is operative? When is PC5 likely to be operative? - What would the process, timeframe, cost look like?	Helen Shaw (ECan – CC) Shirley Hayward (ECan – Timaru) Rachel Blackburn (ECan – Timaru) Omarama Stream Care Group	February	Report back to the ZC March
Raise this issue with senior mgt ECan	Cr John Sunckell	done	

Lake Benmore – Haldon Arm

Issues discussed – impact of visitors and management of camp grounds

Action	Who	Time Frame	Comment
Stage 1. Water Quality – is the Haldon camp ground a problem? How can we answer this question? Is there a problem? - Contact Mackenzie DC and find out what wastewater facilities and conditions exist and any monitoring currently undertaken? Stage 2. If we think there is a problem what do we do? Talk to Camp Trustees, what are their views? What is possible to improve current situation?	Bernie Haar (MDC) Chris Eccleston (ECan – Timaru) MDC ECAN LINZ	TBC	Chris to talk to MDC – discuss approach, what's possible, what timeframe...
Lake weed – is the extent of <i>Lagarosiphon major</i> or other lake weed increasing in Haldon Arm? If so what could be the causes? Should this area be added to LINZ priority areas for control?	LINZ who?	TBC	Chris to talk to LINZ Control work undertaken in other parts of L Benmore but currently not Tekapo/Ohau R deltas Annual Report LINZ Biosecurity Control Programme 2016/17 Canterbury Region https://www.linz.govt.nz/crown-property/using-crown-property/biosecurity/control-programmes/201617-draft-annual-control-works-programme

Biosecurity – Waitaki Lakes

Bryce Warner– Biosecurity Advocacy Officer (ECan) will be out and about around Waitaki lakes over the holiday period. His job is to talk to people and about the importance to “check, clean, dry” (CCD) and how they can contribute. He’ll also be out talking to campground operators, DOC offices and information centres etc

He is keen to get any tips on the “hot” fishing and boating sites that would be worth visiting.

Contact details for Bryce

Phone 27 605 4300

Email Bryce.warner@ecan.govt.nz

Feedback to date is that *“it would be good to have more areas where people can physically CCD their boats ...”* There is a cleaning station at L Ruataniwha but this is a long distance from amny of the other boat launching locations. What are the options? ...how could we get more accessible locations to clean boats etc? ...would some camp grounds be willing to host cleaning stations?... would people pay to use the facilities? ...are there opportunities for sponsorship? (eg. Hunting and Fishing retail store)?

Bryce will write up a report at the end of this project and provide to the zone committee.

Love Your Lakes Campaign

Underway – radio, local newspapers, flyers and posters

“Take your rubbish with you and use the toilet facilities provided”

Lesley Woudberg

Team Leader – CWMS Facilitation


Updated 19 January 2018

6.4 DRAFT 2017 ANNUAL REPORT - UPPER WAITAKI ZONE

File Reference: NA

Author: Arlene Goss, Committee Administrator (Temp)

Authoriser:

Attachments: 1. Annual Report [!\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\)](#) 

STAFF RECOMMENDATIONS

That the information be noted.

ARLENE GOSS

COMMITTEE ADMINISTRATOR (TEMP)



Delivering Freshwater Priorities

The Upper Waitaki Water Zone Committee has been working with landowners, community members and interested organisations to improve water quality and ecosystems in the zone.

In 2015 the committee worked intensively with the community to develop the policy direction for setting nutrient limits in the zone. This was contained in the ZIP Addendum and in 2016 turned into a plan change to Land and Water Regional Plan (Plan Change 5).

In 2017 Plan Change 5 was under appeal and is still currently not operative. The zone committee has therefore focused on making progress on non-regulatory actions recommended in the ZIP and ZIP Addendum.

In 2017 the committee has worked on;

- *Highlighting the unique biodiversity and ecosystems of the zone*
- *Celebrating actions to improve and protect our freshwater environment*
- *Making technical information more accessible*
- *Improving understanding of the impact of agriculture, aquaculture and visitors*

The 2017 annual report outlines key achievements and provides examples of some of the work the zone committee has supported and been actively involved in.

Key Achievements 2017

- *\$38,519 funding to help landowners and communities undertake biodiversity projects was approved*
- *Willow Burn Stream rehabilitation project is now well underway. The project began in 2016 and is expected to run until the end of 2018. Multiple landowners have completed fencing to exclude stock and removed crack willow infestations.*
- *Landowners, rūnanga, Omarama School and the zone committee came together in November to celebrate the work that has been undertaken to protect Omarama Stream and a very special resident – the longfin eel (tuna).*
- *The committee sponsored a “Love your Lakes” campaign to encourage visitors and recreationalists to use waste disposal facilities. This is the second year of the campaign and included advertising on the radio.*
- *Regular news items highlighted the unique biodiversity and ecosystems in the zone and celebrating the people and actions being taken*



Challenges and Opportunities

Limit Setting

While Plan Change 5 is currently under appeal and is not operative, many of the actions signalled in the ZIPA are under way including the development of farm environment plans and the exclusion of stock from waterways.

Once Plan Change 5 is made operative then opportunities for monitoring, compliance and review of consent conditions will become clearer.

Visitors and Waste Management

Visitor numbers to the zone are rising rapidly putting a strain on current wastewater infrastructure (toilets and treatment facilities). Litter and the risk of the introduction and spread of invasive freshwater species is also increasing.

The increase in revenue coming into the zone is not sufficient to respond to these pressures so a national response is needed. It is hoped that the government agencies to work closer together will provide opportunities to upgrade facilities and increase awareness.

Increased funding

The Minister of Conservation, Hon Eugenie Sage, has indicated that the Department of Conservation's budget would increase and the issues in the Mackenzie zone was one of her priorities as both Minister of Conservation and Land Information New Zealand (LINZ). Such interest provides an opportunity for DOC and LINZ to become more actively involved in the committee's work programme.

Integrated Monitoring

New technology, the roll out for broadband and a willingness for groups to work together to share information will help provide a more comprehensive picture of what is happening in a zone.

Upper Waitaki Water Zone Committee

Otematata wetland walkway gets a boost

The wet winter of 2017 provided no excuse to stay indoors for the hardworking volunteers behind the Otematata Wetlands Walkway restoration project, who received \$13,000 of funding for further development and planting.

This follows a previous grant of \$12,000 in 2016 – also funded through Immediate Steps Programme and supported by Environment Canterbury's biodiversity team.

Ten years ago, the wetlands site was a relic of the Benmore dam construction. What wasn't covered in gravel pits was overgrown with weeds, like gorse and broom.

Now, the site is a popular recreation area and much closer to its goal of returning to native biodiversity thanks to the hard work of the volunteers that are part of the community-led Otematata Ratepayers Association and funding from grants and donations.

Volunteer Graham Sullivan has been involved in the project since it started.

"We've opened it up a lot and created wide tracks and access, we've cleared old willows and then we've put in a lot of native plantings like carex, tussocks, flaxes and cabbage trees. Since I retired, this is my forte now – my life!"

Graham says the walkway is now a busy – and accessible – spot for anyone wanting to get close to nature. He has also noticed more native wildlife returning to the area, including bellbird and pūkeko.

Supporting community biodiversity projects such as the Otematata Wetlands is part of the Upper Waitaki Water Zone Committee's aim to create a corridor of natives from mountains to the sea – ki uta ki tai.



The Saltwater Creek working group have helped develop recommendations to improve the health of the creek.

Controlling cotoneaster – an attractive but invasive species

It may look attractive with its bright red berries but cotoneaster is an invasive pest that spreads easily and crowds out native species.

That's why a joint project, allocated funding by the water zone committee, has been set up to help stop the spread of this species in the Waitaki Lakes area. Environment Canterbury, along with the Ohau Conservation Trust, the Department of Conservation and landowners have all been working together to control cotoneaster both in domestic gardens and in farmland.

Birds distribute cotoneaster seeds widely and allow it to spread into gardens, hedges, roadsides and farmland. It matures quickly, is long-living, and crowds out and excludes native shrub species in a wide range of habitats. If people have cotoneaster on their property they are being encouraged to destroy and remove it.

Information flyers and posters have been distributed to town-based audiences and the project team members are working directly with key landowners to help with destroying the weed.

Viv Smith from the Ohau Conservation Trust said it was possible, at this level of infestation, to eradicate cotoneaster from the Ohau Basin.

"Working with others to remove cotoneaster and ensuring it doesn't spread again is an important way to protect and enhance the special natural environment of Lake Ohau.

"The Trust can provide the on the ground 'eyes and ears' about the location and extent of spread. Raising awareness with residents and landowners of cotoneaster as a pest plant is also important, and the Trust is using our contacts to do this."

Improving native biodiversity by controlling invasive species is a key focus for the Upper Waitaki Water Zone Committee and the work will continue to be funded during 2018.



Waitaki Lakes water quality

The zone committee received the latest water quality monitoring results for the Waitaki lakes in October.

The Trophic Level Index (TLI) is used to give an overall picture of the health of a lake and is calculated once a year combining the monitoring data of four parameters (total nitrogen, total phosphorous, water clarity and chlorophyll-a).

Lake Alexandrina's and Lake Pukaki changed trophic bands. Similar changes have been seen in the past. Lake Benmore has been relatively stable over the last few years.

Two lake sites in the zone that have previously been considered unsuitable for swimming (Loch Laird and Lake Alexandrina) improved

their grade and are now suitable but graded fair. Further up to date information on the current state of water quality in the lakes and rivers in the zone can be found at www.lawa.org.nz.

Unfortunately, some lakes and waterways in the zone have been affected by invasive species such as Didymo (Didymosphenia geminata), Lake Snow (Lindavia intermedia) and Lagarosiphon major (lake weed).

A Biosecurity Officer was out and about over the Christmas – New Year period to remind recreationalists to "check, clean and dry" boats and equipment when moving from one waterway to the next.

The biosecurity advocacy officer was supported by both Ministry of Primary Industries and Environment Canterbury. We hope to see more joint initiatives of agencies such as this in the zone.

2017 Annual Report

Progress Towards CWMS Targets

Ecosystem health and biodiversity	\$38,519 funding to help landowners and communities undertake biodiversity projects were approved plus the multi-year project on the Willow Burn has been ongoing. Work undertaken jointly by agencies on invasive species such as wilding pines, didymo and lake weed. Work undertaken by multiple landowners and community groups to improve biodiversity.
Natural character of braided rivers	No new work undertaken in 2017
Kaitiakitanga	Omarama Stream hāngī and recognition of taonga species such as the longfin eel. Acknowledged the cultural significance of waterways such as the Ahuriri River and made a tributary, the Willow Burn, a priority for restoration for the committee. Mana Whenua membership on the committee.
Drinking water	No new work undertaken in 2017 Water quality limits set in Plan Change 5
Recreational and amenity opportunities	Raised awareness of the impacts of visitors and recreationalists - "Love Our Lakes" and "Check, Clean and Dry" campaigns. Supported Otematata Wetland Walkway Restoration Trust with funding and participated in a planting day.
Water use efficiency	No new work undertaken in 2017
Irrigated land area	Increased awareness of Good Management Practice (GMP), nutrient baselines and farm environment plans (FEPs).
Energy security and efficiency	No new work undertaken in 2017 Hydro-electricity is the largest economic sector in the zone and also makes a significant contribution nationally. Water quality and quantity limits in the zone provide the sector with certainty within which it can operate.
Regional and national economies	No new work undertaken in 2017 Regional gross domestic product from the zone's economic sectors are: Hydro-electricity \$660m, Agriculture \$190m, Tourism \$90m and aquaculture \$25m. The zone committee has been working to enable these sectors to operate within the environmental limits of the zone.
Environmental limits	No new work undertaken in 2017 Water quality limits are set in Plan Change 5 (currently not operative) Water quantity limits are set Waitaki Catchment Water Allocation Plan

Focus for 2018

Integrated/Collaborative Approach

- Facilitate a collaborative approach to the delivery of the ZIP/ZIPA, in particular encourage a greater involvement of DOC and Land Information New Zealand.

Communication

- Celebrate action by proactively sharing stories about the good work being done in the zone
- Make technical information and monitoring data more accessible
- Integrate monitoring data from multiple sources to provide a more complete picture of the state and trends in a catchment

Biodiversity and Ecosystem Health

- Follow up on biodiversity projects supported by the zone committee through Immediate Steps funding
- Complete/celebrate the Willow Burn project – maintain and monitor the project – identify next steps

- Develop and pilot project on integrated monitoring of Omarama Stream catchment

- Review the technical information on Lake Middleton – identify next steps

Effluent Management

- Understand what infrastructure upgrades district councils are undertaking, how central government may contribute, identify how the zone committee could add value and encourage them to do more.
- Understand how wastewater is managed in camp ground facilities and what improvements could be made.

Limit Setting

- Celebrate Plan Change 5 becoming operative

Willow Burn stream restoration makes good progress

Good progress has been made on the restoration of Willow Burn stream – a spring-fed waterway that runs for 60 km in the land between Lake Ohau and Omarama.

The Willow Burn Stream project, which was allocated \$171,000 of funding from the Immediate Steps programme last year, aims to improve water quality and protect the biodiversity values within the catchment. Water monitoring shows that parts of the stream have high phosphate and nitrate levels, as well as sediment and E coli. Higher nitrate levels can be caused by intensive farming practices, while higher phosphate, sediment and E coli can be a result of livestock accessing the stream and its banks.

Many of the landowners involved in the project have now fenced all or some of their waterways to exclude stock. Work has also been carried out to remove crack willow infestations and improve the Nohoanga food gathering site. Native carex planting is also being used to suppress weed growth.

Work will continue next year to complete fencing high risk areas, particularly in the most high-value biodiversity areas, such as native wetlands.

The stream is a tributary of the Ahuriri River and a priority waterway for the water zone committee.



Ian Lyttle, Environment Canterbury Land Management Advisor, collects freshwater mussels at Willow Burn stream in November 2017

Hāngī by the stream

Talking about tuna, learning about local water management and enjoying a delicious hāngī were part of day out of the classroom for Omarama School students at the November Upper Waitaki Zone Committee meeting.

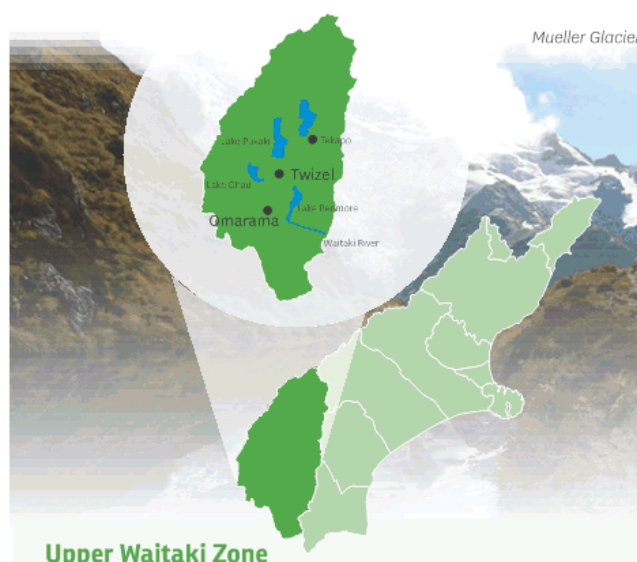
The whole school – that's 39 kids – was invited to Omarama Station by rūnanga and landowners Richard and Annabel Subtil. They got to learn about the native tuna (native long fin eel) relocation programme and to join in the Upper Waitaki Water Zone Committee hāngī after its meeting.

Tuna – native longfin eel – are considered taonga (treasure) having lived in our lakes, swamps, rivers and streams for more than 23 million years. To give them a chance to breed, selected tuna are caught and relocated to waters below local hydroelectric dams.

The outing complemented the work the students were doing in the classroom and at their school camp around tuna and their ecosystems.



Omarama School students (left to right) Robbie Anderson, Arabella Thomas and Archie Bochel with their plates of kai.



Upper Waitaki Zone

The Upper Waitaki Zone Committee covers the catchments upstream of the Waitaki Dam, from the Lindis Pass to Burkes Pass, including the Mackenzie Basin, and straddles parts of the Waitaki, Waimate and Mackenzie Districts. The committee is a joint committee of the Mackenzie and Waitaki District Councils, and Environment Canterbury. The zone is in the rohe of Arowhenua Rūnanga, Moeraki Rūnanga and Waihao Rūnanga.

Zone committee members

Barry Shepherd (Chair)
Simon Cameron (Deputy Chair)
Jay Graybill (Community member)
Lisa Anderson (Community member)
Mat Bayliss (Community member)
Richard Subtil (Community member)

John Wilkie (Waihao)
Sandra Hampstead-Tipene (Arowhenua)
Vacant (Moeraki)
Peter Skelton/John Suncell (Environment Canterbury)
Garry Kircher/Craig Dawson (Waitaki District Council)
Murray Cox/Russell Armstrong (Mackenzie District Council)



The Upper Waitaki Water Zone Committee is a community led committee supported by Environment Canterbury and local councils.



Waitaki
DISTRICT COUNCIL
TE KAUNIHĒRA Ā ROHE O WAITAKI




6.5 BIOSECURITY**AWARENESS****CAMPAIGN**

File Reference: NA

Author: Arlene Goss, Committee Administrator (Temp)

Authoriser:

Attachments: 1. Report on Check, Clean, Dry Advocacy Programme 2018. [!\[\]\(3e2231b1ad3ca8da8658228c00dd08e0_img.jpg\)](#) 

STAFF RECOMMENDATIONS

That the information be noted.

ARLENE GOSS

COMMITTEE ADMINISTRATOR (TEMP)

AGENDA ITEM NO:	SUBJECT MATTER: Check, Clean, Dry Advocacy Programme 2017-18
REPORT BY: Bryce Warner Environment Canterbury	DATE OF MEETING: 16 February 2018

Purpose

To provide a summary of discussions the Biosecurity Advocacy Officer has had with recreationalists actions needed to avoid the spread of invasive lake weeds.

Staff Recommendations

For information

Report**Check, Clean, Dry Biosecurity Advocacy Programme 2017-2018: Waitaki**

From 20/12-23/12, 27/12-30/12, and 02/01-06/01 I carried out the CCD advocacy programme in the Waitaki Lakes District. The base of operations was in Twizel.

Two hundred CCD packs were taken and each was distributed to waterways users. An additional 75 floating keychains and stack of ECAN cards to help identify water weeds was also distributed.

Businesses

The first week was relatively devoid of waterway users, so there was time to touch base with businesses- 40 CCD packs were dropped at Southern Alps Outdoors. In speaking with the manager, they can sell this many fishing licenses in one afternoon- so I arranged with MPI to ship an additional 200 spray bottles, soap sachets, and how-to-clean pocket guides in the new year. An email will be sent in the coming weeks to touch base and to inquire about additional collateral supply. Jakes Hardware was also visited, and 100 each of the same was arranged for their business. In Omarama, Sierra Hotel (the only supplier of fishing licenses in the

town) was visited, and I intend to ship collateral to this business in the coming weeks. In retrospect, contacting these businesses well in the future of the holiday season may be prudent to getting our message out.

Several holiday parks, including Lake Benmore Holiday Park, Glentanner Holiday Park, Twizel Holiday Park, Omarama Top 10, Otematata Holiday Park and Lodge, and Ruataniwha Holiday Park were visited. Most took informational brochures, allowed me to put posters up on noticeboards, and have a chat with their guests. Several were very interested in the impacts of the freshwater pests and what it could mean to their business. Lake Benmore Holiday park mentioned that they have hoses available for boaters to clean their vessels, and that they may be interested in hosting a purpose built cleaning facility.

Ruataniwha Rowing Complex

Lake Ruataniwha rowing complex was visited, and a chat with Trevor Wilson occurred about boats coming and going without being cleaned. He explained that even though he would put road cones across the road- to ensure boats go through the cleaning station, some would circumvent the system. I mentioned that MPI does have a 'fine' in place for knowingly spreading pests and that a gentle reminder to the boat owners could help our cause.

The Ruataniwha cleaning station for boats was also demonstrated. Built for around \$4000 + the cost of the pump, it works on a 30 second timer and sprays a mist of cleaning liquid on the boat as a vehicle slowly drives through. This sprayer would fail to hit the bottom of a traditional boat and wouldn't be practical as a boat cleaner: more of a didymo/ lake snow killer.

Trevor also pointed out some plants in the water that were causing issues for his complex. I took a sample to the local DOC office and determined that it was a native Milfoil. Although it may be a nuisance, it is not classed as a biosecurity pest.

Check Clean Dry/ Stop the Spread Signs

A significant part of the time in the lakes was spent checking, replacing, and repairing signs. The water access to the north side of the Waitaki river had changed significantly over the past few years, and many of the previous access points were now private, fenced land. For the south side, many of the access points were without signs, badly damaged, or faded. In some cases, signs were moved to more logical and easily read places, and in some, they were removed altogether (How to

CCD signs along 100 km/hr roads are impractical). Kurow island was resigned, as were small tributaries in the region.

Birchwood road up the Ahuriri River was re-signed. According to database records, it had not been checked in many years- Nearly all signs were missing, and I ran out of stock while checking. Places where a sign should be present were marked on GPS and a CCD sticker was put in place as a temporary measure. Collateral for cleaning was left in one of the more accessible DOC huts.

Other places also visited and checked were Aoraki/ Lake Pukaki, Lake Ohau, Lake Alexandrina, Lake Benmore, Lake Aviemore, and Lake Waitaki. A brief stop in Lake Tekapo occurred to check boat ramp signs, although more time in the surrounding area may be prudent.

One newer 'Stop the Spread' sign was damaged beyond repair and found at a strange location. I couldn't determine where it had been originally.

While checking, signs were cleaned, tightened, and replaced if necessary. If I happened to come across people at the more isolated spots, there would be a good chat about the CCD message.

DOC

I met with Dean Nelson, who identified the milfoil from Lake Ruataniwha and explained that the DOC office had given up on the CCD programme for the McKenzie basin. Ian (Gus) Guthrie mentioned that they still had a large amount of collateral from when there was a full-time Didymo advocate in the office. I told him about our cleaning bottles and tried to convince him to take some of the 1L bottles and a how-to booklet into some of his backcountry huts that were near waterways. Ian also mentioned new signs coming for some of the local DOC campsites and that there may be space to put some biosecurity information on them. I will follow this up with Gemma Livingstone.

Survey

I took an indirect approach with the surveys- preferring to hold a conversation with people about the impacts and then using that information to fill in the survey afterward. I believe that looking at a phone while conversing with someone is very impersonal- In the future filling a paper copy at the scene before submitting electronically may be of more benefit. 54 electronic surveys were completed and submitted, although I chatted with and handed out information to well over 3x that.

Most people that I talked to were at campsites or the Ohau canals. Feedback was generally good, and the inclusion of Lake Snow and a photo from Genesis showing a clogged filter caught the attention of many people. There many theories about why lake snow is now becoming a nuisance.

Many people wanted to know if there was a way to kill didymo, and others wanted to know why it had not yet spread to the north island.

Lagrosiphon seemed to be high in concern from people from Otago- having dealt with it in lakes Dunstan, Wanaka, and Wakitipu; most Cantabrians were unaware of it. I searched lake Benmore in several places for Lagrosiphon to show people, and was fortunately only able to find Canadian pond weed. For boat trailers harbouring aquatic plants I saw around towns, I left information cards under windscreen wipers. Most people, I noticed were quick to pull any weeds off their trailers when moving out of the water.

Users

While talking with boat owners, it seemed that moving between waterways during their holiday was minimal- most would stay in one lake for the entire time. They were keen to clean their boat when leaving, but mentioned that there was no practical way to do it at the lakes. I mentioned that when they get home they should go through the process, but many admitted that they would probably forget/ be too busy/ or couldn't be fussed. It is of note, that many mentioned that they are weekend users only and that if they are thoroughly dried, a week is more than enough time to kill algal spores. Some people also admitted to power washing their boats with simply water after getting home. I explained that if that water gets into the storm drains, it could move those pests into their local stream and rivers.

Jetskiers seemed to be the water users that travelled the most. I could find the same jetski on several different water bodies in the same day. Most people I approached acted keen to hear about what I had to say, but I believe it may have been because they saw me step out of an ECAN vehicle. I could see their eyes glaze over and they would attempt to end the conversation. As these users are very high risk and generally care less for the environment, an environmental only approach may not work best with them. I emailed Rose Bird (Advocacy Support), and she suggested telling them about how things like Didymo and Lake Snow could affect their wallet.

Most boat and jetskiers were near impossible to talk to at boat ramps. There seems to be a lot of tension at these places. At Sailor's Cutting, for instance, a large queue was always present.

People fishing seemed to have the most free time and were happy to have a long winded conversation. Other than the overfishing in the canals, they seemed to be most concerned with didymo. Nearly all practiced good CCD methods and the ones that didn't were happy to change their methods. Several mentioned freezing equipment, using nappy san, or boiling water to clean their stuff- which are great alternatives to the information I was providing.

There was a lot of concern (especially from parents and pet owners) about cyanobacteria in the rivers, as well as some misinformation. Many had attributed it to dairy run off- and were accusing ECAN of allowing it to happen. Upon correction, I was able to use this to reinforce the message to protect our waterways.

Council Campsites

Some surveying and chatting occurred at council campsites, although the amount could be improved upon next year. Every council site had either a stop the spread or a protect our waterways sign at a boat ramp, most also received a poster on the bulletin board and one or two in each toilet block. Next year, laminating some of the smaller posters would be ideal to prolong its life.

Radio Ads

Three different radio ads were played during the holidays on Port FM. Of the 70+ people that I asked about the ads, only 3 could confidently talk about hearing it. Several more mentioned that they think they heard it, but couldn't really remember, and many people either listened to a different radio station or their own music.

6.6 ZONE COMMITTEE FOCUS AND GAME PLAN FOR 2018

File Reference: NA

Author: Arlene Goss, Committee Administrator (Temp)

Authoriser:

Attachments: 1. Zone Committee Game Plan [↓](#) 

STAFF RECOMMENDATIONS

That the information be noted.

ARLENE GOSS

COMMITTEE ADMINISTRATOR (TEMP)

2018 UPPER WAITAKI ZONE COMMITTEE

ZC MEETING DATES 2018 & PROPOSED AGENDA ITEMS <i>Purpose and Functions (ref ToR)</i> 1. <u>Facilitate community involvement in the development, implementation, review and updating of a ZIP that gives effect to the CWMS in the Upper Waitaki Zone.</u> 2. <u>Monitor progress on the implementation of the ZIP.</u> <i>What we, the Upper Waitaki ZC, will achieve by the end of 2018</i> <ul style="list-style-type: none">• 3x field trips to help engage, involve, celebrate actions and understand/consider what else could be done• Facilitating a collaborative approach to deliver ZIP/ZIPA, in particular DOC and LINZ given the interest of the Minister in the zone• Celebrating actions and communicating technical/cultural information ...• Follow up on biodiversity projects funded by the ZC ..• Omarama Stream• Willow Burn Stream• Lake Middleton ...• Effluent management ...small towns, visitors, agriculture, aquaculture ...	ZIP						ZIPA – Plan Change 5 Currently under appeal - not operative					COMMS
	Kaitiakitanga / Ki uta, ki tai / Mahinga Kai	Integrated / Collaborative Approach	Water, Nutrient and Effluent Management	Waitaki Catchment Water Allocation Regional Plan and Environmental Limits	Braided Rivers in the Upper Waitaki Basin	Biodiversity	Prosperous and Vibrant communities	Good Management practice requirements for resource use and Farm Environment Plans	More toilets and education for users	Rehabilitation of the Willowburn and support catchment groups addressing risk areas	Rehabilitation of Nohoanga and actions to improve mahinga kai	An enabling consent pathway for small block development
16 FEBRUARY Theme – Following up actions 2017, agree to ZC focus 2018 <ul style="list-style-type: none">• Election Chair, Deputy Chair, regional representative• ZC focus for 2018• What’s the ZC “game plan” for 2018• Waitaki Iwi Mgt Plan (Rūnanga Rep Sandra Tipene-Hamstead TBC)• Report back biosecurity campaign “check, clean dry” over summer (ECan Bryce Warner – table paper)• Follow up Dec 2017 Field Trip actions (ECan Chris Eccelston & Helen Shaw)• Zone Managers Report?• Facilitators Update<ul style="list-style-type: none">○ ZC Draft Annual Report○ Media○ Upcoming events<ul style="list-style-type: none">▪ 9 April CWMS Symposium• ZC Actions<ul style="list-style-type: none">○ Comms – what’s this month’s message/who is taking the photo○ IS biodiversity project – select past project, ZC member ring/visit follow up, show an interest, check how things going from applicant perspective												ZC will Ecan will...
16 MARCH Theme – Integrated / Collaborative Approach <ul style="list-style-type: none">• Mackenzie - Opportunities for greater agency collaboration (ECan Anna Puentener TBC)• Biodiversity<ul style="list-style-type: none">• Who is doing what? (DOC, LINZ, ECan, TA ...)• LINZ – control programme of invasive lake weed• Regional Braided River project (ECanMaree Willets TBC)• What/How can the ZC do to add value?												

20 APRIL Theme – Effluent management <ul style="list-style-type: none"> Update from Mackenzie on <ul style="list-style-type: none"> Tekapo wastewater upgrade / recreation use Tekapo R (kayakers) Camping sites eg. Haldon Arm Progress on adoption of GMP and FEPs 													
18 MAY Theme - <ul style="list-style-type: none"> Zone Managers Report 													
22 JUNE Theme - <ul style="list-style-type: none"> 													
20 JULY Theme - <ul style="list-style-type: none"> xx ECan Annual Compliance Report 													
17 AUGUST Theme – visitor campaign summer 2018/19 <ul style="list-style-type: none"> xx Zone Managers Report 													
21 SEPTEMBER Theme -													
19 OCTOBER Theme – Kaitiakitanga - Mahinga Kai – Biodiversity Omarama Stream <ul style="list-style-type: none"> Tuna/eel management – Working with Rūnanga, landowners and community 													
23 NOVEMBER Theme - State of the Environment Reporting <ul style="list-style-type: none"> River and Lake water quality (inc lake TLI) Biosecurity Groundwater modelling – movement of nutrients within Wairepo Arm and Kellands Pond (ECan Helen Shaw/Nicole Calder- Steele TBC) Zone Managers Report Draft Zone Committee Annual Report 													
?? DECEMBER <ul style="list-style-type: none"> 													

7 ADJOURNMENTS