

AGENDA

Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting Monday, 11 March 2024

Date Monday, 11 March 2024

Time 1pm

Location Council Chamber, Council Building, King George
Place, Timaru

File Reference 1654775

Orari-Temuka-Opihi-Pareora Water Zone Committee

Notice is hereby given that a meeting of the Orari-Temuka-Opihi-Pareora Water Zone Committee will be held in the Council Chamber, Council Building, King George Place, Timaru, on Monday 11 March 2024, at 1pm.

Orari-Temuka-Opihi-Pareora Water Zone Committee Members

Suzanne Eddington, John Henry, Glen Smith (Chairperson), Bailey Lissington, Chris Konings (Deputy Chairperson), Michelle Pye, Deon Swiggs, Phillipa Guerin, Sharyn Cain and Rynnee de Garnham

Quorum – no less than 5 members

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- 1 Opening Karakia**
- 2 Apologies**
- 3 Public Forum**
- 4 Identification of Items of Urgent Business**
- 5 Identification of Matters of a Minor Nature**
- 6 Declaration of Conflicts of Interest**
- 7 Chairperson's Report**

8 Confirmation of Minutes

8.1 Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 6 November 2023

Author: Jessica Kavanaugh, Team Leader Governance

Recommendation

That the Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 6 November 2023 be confirmed as a true and correct record of that meeting and that the Chairperson's electronic signature be attached.

Attachments

- 1. Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 6 November 2023**

MINUTES

Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting Monday, 6 November 2023

**Minutes of Timaru District Council
Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting
Held in the Council Chamber, Council Building, King George Place, Timaru
on Monday, 6 November 2023 at 1pm**

Present: Glen Smith (Chairperson), Chris Konings (Deputy Chairperson), Suzanne Eddington, John Henry, Michelle Pye, Deon Swiggs, Phillipa Guerin, Sharyn Cain, Rynee de Garnham

In Attendance: Dave Moore (Zone Facilitator, Environment Canterbury), Rachel Scarlett (Governance Advisor, Timaru District Council), Jessica Kavanaugh (Corporate Planner, Timaru District Council) Kate Brown (Land Management Advisor, Environment Canterbury), Gina Slee (Southern Zone Delivery Lead, Environment Canterbury)

1 Opening Karakia

John Henry conducted the opening Karakia

2 Apologies

2.1 Apologies Received

Resolution 2023/42

Moved: Sharyn Cain

Seconded: Suzanne Eddington

That the apology of Bailey Lissington and the apology for the lateness of Deon Swiggs be received and accepted.

Carried

3 Public Forum

There were no public forum items.

4 Identification of Items of Urgent Business**4.1 Identification of Items of Urgent Business****Resolution 2023/43**

Moved: Sharyn Cain

Seconded: Clr Phillipa Guerin

Chairperson Glen Smith requested that the late funding application from Orari River Protection Group and an update from Living Landscapes be discussed.

Carried

5 Identification of Matters of a Minor Nature

No matters of a minor nature were raised.

6 Declaration of Conflicts of Interest

No conflicts of interest were declared.

7 Chairperson's Report**7.1 Presentation of Chairpersons Report****Resolution 2023/44**

Moved: Chris Konings

Seconded: John Henry

No report was provided by Chairperson Glen Smith. Deputy Chairperson Chris Konings provided an update on the Waitarakao Washdyke Catchment Strategy.

Carried

8 Confirmation of Minutes**8.1 Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 7 August 2023****Resolution 2023/45**

Moved: Chris Konings

Seconded: Clr Michelle Pye

That the Minutes of the Orari-Temuka-Opihi-Pareora Water Zone Committee Meeting held on 7 August 2023 be confirmed as a true and correct record of that meeting and that the Chairperson's electronic signature be attached.

Carried

9 Reports

9.1 Environment Canterbury Zone Priorities Presentation

Gina Slee (Environment Canterbury) provided the Orari Temuka Opihi Pareora Water Zone Committee with an update. The update included the following projects;

- Coastal Lagoon restoration
- Ohapi Creek willow control
- Horseshoe habitat sampling
- Surveying for phalaris at the Orari catchments
- Te Ahi Tarakihi
- Kakahu phosphorus management project
- Waitarakao project

It is requested that core samples be taken of the Waitarakao lagoon bottom. These are to provide historical data of what was there and create a historical benchmark along with the current data.

It was suggested that some way of capturing the progress made be thought of and installed, eg Camera or live Video stream, to monitor the progress made at the Lagoon over time for history and publicity purposes.

9.2 Orari Temuka Opihi Pareora Te Kopi-O-Te Opihi (Burkes Pass) Wetland and Riparian Restoration Funding Application

Dave Moore (Zone Facilitator, Environment Canterbury), spoke to the report to discuss with the committee the consideration of whether to recommend Action Plan funding for Te Kopi-O-Te Opihi (Burkes Pass) Wetland and Riparian Restoration and the amount.

The Committee discussed that there has been no allocation of the budget this financial year and if they could allocate some today and some in the future to this project. The field trip by the Committee highlighted the amount of work that has been undertaken to date.

Deon Swiggs arrived at 1.22pm.

There is further discussion on how projects in general are followed up after the funding has been allocated including ongoing maintenance. The lifespan of the Te Kopi-O-Te Opihi project is discussed and succession planning is to continue the maintenance of the project.

Phillipa Gurien expressed a conflict of interest in this item.

It is noted that the testing of the water from the beginning would have been beneficial to see the improvement. The committee discussed the priorities of this project including the mulching, the benefits of planning the right plants in the area, the biodiversity of the area,

There is an importance to link this project to the catchment group in Mackenzie. The committee agreed to focus on preserving the existing work undertaken on this project which includes release of the mulch and supplementary planting of grasses.

Resolution 2023/46

Moved: Sharyn Cain

Seconded: Chris Konings

1. That the OTOP Zone Committee receives this report.
2. That the OTOP Zone Committee recommends Action Plan funding for Te Kopi-O-Te Opihi (Burkes Pass) Wetland and Riparian Restoration to the expenses supplementary planting of grasses stage 1 and 2 for \$7,720 and release and mulch stage 0 and 1 \$4,620.

In Favour: Suzanne Eddington, John Henry, Glen Smith, Chris Konings, Michelle Pye, Deon Swiggs, Sharyn Cain and Rynee de Garnham

Against: Nil

Abstained: Phillipa Guerin

Carried 8/0

Carried

9.3 Orari River Protection Group (Urgent Business)

Chairperson Glen Smith spoke to this application on behalf of the Orari River Protection Group. It is noted that funding for education for children and adults would be beneficial.

The importance of the protection and the understanding of the species is important. Also, the use of Environment Canterbury communications to the public to highlight this project.

Resolution 2023/47

Moved: Sharyn Cain

Seconded: Cllr Deon Swiggs

That the OTOP Zone Committee recommends Action Plan funding for the Orari River Protection Group of \$4,850

Carried

Attachments

- 1 OTOP Funding for the Orari River Protection Group Long Tailed Bat Research

9.4 Living Landscapes South Canterbury Update

Michael Bennett spoke to the committee, to discuss the purpose of the Living Landscapes South Canterbury, which supports different catchment groups with the first project being supported by the Ministry of Primary Industries.

Chairperson Glen Smith noted a conflict of interest as the vice chair of the CCSC Group.

Discussion included the ability for catchment groups to be successful and the link between the OTOP Committee and the catchment groups. The future review of Zone Committees undertaken by the Mayoral forum. The collective management approaches that have previously been successful were discussed and the reason for their success was acknowledged.

9.2 Orari Temuka Opihi Pareora Water Zone Committee Update

Dave Moore spoke to the report to update the Committee on actions from the previous meeting, relevant information, and upcoming engagement opportunities.

Noted is the error in the 2024 meetings the 11 February should be the 12 February. The ability of the Environment Canterbury team to advertise the funding available from the Orari Temuka Opihi Pareora Water Zone Committee.

Importance of RPS consultation and ability to target the right mix of people to get involved in the public sessions.

Resolution 2023/48

Moved: Cllr Phillipa Guerin

Seconded: Suzanne Eddington

That the OTOP Zone Committee receives this report.

Carried

10 Consideration of Urgent Business Items

Urgent Business items were discussed in the reports section.

11 Consideration of Minor Nature Matters

No matters of a minor nature were raised.

12 Closure Karakia

John Henry conducted the closing Karakia

The Meeting closed at 2.50pm.

.....

Glen Smith
Chairperson

9 Reports

9.1 Zone Committee Action Plan funding requests

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

That the OTOP Water Zone Committee receive the status report and new funding applications and consider whether to recommend the applications for funding.

Purpose of Report

- 1 To update the Committee on the status of the Action Plan budget and to present new funding requests for the Zone Committee to consider for recommendation.

Action Plan Budget Status

Recipient	Project	Status	Amount
Orari River Protection Group	Orari River Bat population investigation Stage 1	Complete	4,850
Burkes Pass Heritage Trust	Te Kopi-O-Te Opihi (Burkes Pass) Wetland and Riparian Restoration - Supplementary planting stage 1 & 2, release and mulch stage 0 & 1	Complete	12,340
Total funds committed			17191
Remaining funds			57,818

Barkers Creek Catchment Group	Dung Beetle trial	New	20,000
Te Kete Tipuranga o Huirapa (Arowhenua Native Nursery & Restoration)	Funding Application for Opihi Lagoon planting maintenance. (2024/25 financial year)	New	12,000

- 2 Representatives from Barkers Creek Catchment Group and Te Kete Tipuranga o Huirapa are attending the Zone Committee meeting to discuss their requests and take questions.

Attachments

Nil

9.2 Barkers Creek Action Plan Funding Request

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

1. That the OTOP Water Zone Committee receives the presentation and funding request, and
2. Considers this funding application from Barkers Creek Catchment Group.







Purpose of Report

- 1 To present Barkers Creek Catchment Group's funding application.

Discussion

- 2 Danette McKeown and other members of the Barkers Creek Catchment Group will speak to their request for funding of \$20,000 for the purchase of dung beetles for a catchment wide release to provide ongoing benefit to nutrient and sediment outcomes in Barkers Creek Catchment.

Attachments

1. **Barkers Creek 1 Southern Zone Committee Action Plan Budget - Funding application 23-24** [!\[\]\(dce81645e0100714e86d66fe4d06ecba_img.jpg\)](#) 
2. **Barkers Creek 2 Catchment Community** [!\[\]\(c642f5e2c9782d94443748a0940dbd21_img.jpg\)](#) 
3. **Barkers Creek 3 Budget OTOP ZC 0224** [!\[\]\(e500462ce8b37b68fec443a59b516ee9_img.jpg\)](#) 
4. **Barkers Creek 4 Woodbury School - letter of support OTOP ZC** [!\[\]\(bc4fbf45f0b6f42c2b72b5688b5a3228_img.jpg\)](#) 
5. **Barkers Creek 5 PIA Letter of Support** [!\[\]\(1a55485e50af46ac9c9b7b7789374fea_img.jpg\)](#) 
6. **Barkers Creek 6 DINZ Letter of Support BCCG 0422** [!\[\]\(5476003b34411e6cba93ca17cb672507_img.jpg\)](#) 

Application for funding - Zone Committee Action Plan Budget 2023/24

For Ashburton, Ōrāri Temuka Ōpihi Pareora (OTOP), Lower Waitaki, and Upper Waitaki zones

The purpose of the CWMS Action Plan Budget is:

- To allow Zone Committees to **focus on implementing their action plan and leverage other funding opportunities to achieve the CWMS priorities.**

The funding is administered, distributed, and monitored by Environment Canterbury.

Applicant details

Organisation (if applicable):	Barkers Creek Catchment Group
Contact name:	Danette McKeown
Contact email:	knocklyn.farm@gmail.com
Contact phone number:	h. 03 6922774 m. 027 3052636
Postal address:	308 McKeown Road, Woodbury RD21
Other address:	n/a
Are you GST registered? (if yes, please provide number)	c/o Living Landscapes South Canterbury
NZBN (NZ Business Number, if applicable)	Incorporated Society (Catchment Collective South Canterbury) 9429049013337

About your project

The amount of information and detail we would like you to provide is in proportion to the amount of funding you are requesting. If it is smaller amount, then a simple description of your project, who's involved and what you will be doing, along with a simple budget is sufficient.

Project name:	Beetles at Barkers
CWMS zone where the activity will occur:	OTOP
Provide a brief project summary:	

Updated 12 January 2024

<p><i>Catchment wide release of dung beetles. Purchase of dung beetles for ongoing benefit to nutrient and sediment outcomes in Barkers Creek Catchment. Includes workshop for beetle establishment and on-going management. Volunteer time for management and release(s).</i></p>
<p>Explain what the grant will be used for - what the money is mainly being spent on/what activities are involved in the project (in two sentences):</p>
<p><i>Purchase dung beetles with release over 12-18 months. We have 15 farmers (out of 17 commercial farms) in our catchment so the beetles will be spread amongst all contributing members.</i></p>
<p>Describe the outcomes or impacts of this project:</p> <p><i>Outcomes or impacts are what will change or who will benefit from this work, including enduring benefits. For example, fencing off springheads will improve biodiversity and improve stream health.</i></p>
<p><i>Barkers Creek Catchment is different to its neighbouring catchments in that we have a large part of our catchment bring clay-based with a higher risk of sediment and phosphorus loss (within the High Risk Runoff Phosphorus Zone). We also have a high proportion of ephemeral gullies and/or critical source areas that can be more difficult to manage than the neighbouring flat ground catchments. An enduring solution to these risks is to establish a dung beetle population in our catchment. The species we are looking at establishing are all tunnelling (~30-90cm) with the dung burial resulting in reduced run-off after rainfall, better retention of dung and urine in the soil, and increased biological activity.</i></p> <p><i>Some of the proven benefits are:</i></p> <ul style="list-style-type: none"> <i>• improved water quality and healthier waterways</i> <i>• reduction in risk of run-off from paddocks into waterways</i> <i>• improved soil structure and health</i> <i>• organic carbon capture</i> <i>• recycling of nutrients quickly back into the soil</i> <i>• improved plant and animal health</i>
<p>List the key outputs of the project:</p> <p><i>An output describes what your group is proposing to do and is measurable. For example, install 250 m of fencing, or train 25 volunteers. Outputs are important and may be used as milestones in a funding agreement.</i></p>
<p><i>Release 8 x packages with each containing four seasons (each season has a different species and is released at different times of the year). Establishment takes 5-7 years with the full benefit being realised in the longer term (~ 20 years). We have baselined water quality and eDNA in our catchment (eDNA in partnership with Wai Tuwhera o te Taiao – Open Waters Aotearoa/EPA funding). We hope to undertake eDNA sampling in 5 and 10 years to establish whether dung beetle DNA can be found in the waterways (with interest from Wai Tuwhera and Wilderlab). We will also undertake kick testing of dung at bi-annual intervals (pit traps may also be an option but usually rely on killing the trapped beetles so is less preferred option).</i></p>

Updated 12 January 2024

We will facilitate a workshop prior to release including release location/strategies and on-going management (i.e. releasing winter beetles on farms with winter grazing, anthelmintic use, and/or avoiding summer release on dairy properties where calf drenching regimes are not wanting to be modified). As we have identified drench/anthelmintic use as the highest risk to dung beetle establishment we will focus on release location strategy, product selection (many common drenching products are OK with dung beetles), and management (which along with the widespread multi colony release, will mitigate this risk)

Please state how the project aligns with the relevant Zone Committee's 2021-24 Action Plan:

Links to Action Plans

- [Ashburton Zone Committee Action Plan 2021-24](#)
- [OTOP Zone Committee Action Plan 2021-24](#)
- [Lower Waitaki Zone Committee Action Plan 2021-24](#)
- [Upper Waitaki Zone Committee Action Plan 2021-24](#)

All .pdfs of action plans can be found as a link at the bottom of the "[What's happening in my zone](#)" page on the [Environment Canterbury website](#). (<https://www.ecan.govt.nz/your-region/your-environment/water/whats-happening-in-my-water-zone/>)

Beetles on Barkers aligns well with the OTO Water Zone Committee Action Plan (2021-2024) with our main aim being to improve stream and soil health in our catchment. We believe that dung beetles are an enduring and proactive option for reducing sediment and nutrient inputs into waterways and drains, and are particularly suited to Barkers as we have sloping, clay downlands, ephemeral waterways and springs where sediment loss and entrainment of nutrients is of inherent risk. Improved water quality assists us in protecting Mahika kai (we have tuna kuwharuwharu/long finned and hinahina/short finned eels in our catchment and we are passionate about protecting and enhancing ecosystems and indigenous biodiversity on our farms (each farm additionally undertakes its own riparian planting or wetland development etc which also provides increasing habitat(s) for the Long-tailed bat/pekapeka tou-roa, Kōtuku/White Heron, Spoonbill/Kōtuku ngatupapa and South Island skinks that occur in our catchment). Our work with Woodbury and Geraldine High School (eDNA sampling, riparian fencing, planting and maintenance) provides a means to engage with our local community and provide peer learning and review within our group.

We also hope that the workshop reviewing anthelmintic use will encourage a 'lighter touch' with regards to animal drenching with the dung beetles having a long-term benefit for animal health and soil/animal biodiversity (i.e worms) and in turn, that we will utilise more refugia techniques and use less of/or less detrimental drenching products.

Tell us what activities you're intending to do and when you intend to have the project completed (timeline):

Depending on funding, beetles are currently available with the first two seasons ready now and the larger Paua beetle ready for release in November 2024. Note. Release dates are dependent on time ordered so may extend period of release if order is later.

Tell us why you think your project is feasible/realistic:

We have, for many years, considered dung beetles as of benefit to our catchment with many of the current mitigations reliant on edge of field or waterway amendments with a high cost and, often, lesser effectiveness. The Barkers Catchment have implemented

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many sediment loss/phosphorus management strategies such as optimum soil P tests/fertiliser use, stream fencing and planting, and CSA management. Dung beetles are seen as being a further mitigation that retains sediment and P in-paddock/at the source (with the analogy being the ambulance at the top of the hill rather than the bottom of the cliff). Dung beetle effectiveness has been assessed in clay rich catchments and found to be effective, particularly where the beetles are selected for that environment and given that most beetles burrow at depths greater than 30cm and are protected from climatic conditions and most ploughing etc... (see reference list below).

Barkers Creek is ideally suited to a catchment wide release as the geographic area is limited (34 km²; a fifth less than Waihi Area) and almost every farmer is in our catchment group meaning we can strategically release the beetles for location and stock management practices. We note that there may be potential for a longitudinal study into the effectiveness of dung beetles at a catchment scale, and we feel that we have sufficient baseline information for that study to be carried out at a future date (MSc thesis Barkers Creek by Hamish Graham, Water Quality Study by David Kelly/ECan, Barkers Creek Denitrification Study by ESR/Lee Burberry).

The following references provide information on dung beetle benefits.

2018,. Manaaki Whenua/Landcare Research. Evaluation of the effectiveness of dung beetles in improving the environmental health of land and rivers within Tairāwhiti (Gisborne District)

Online Reference <https://dungbeetles.co.nz/benefits/>

2020,. Manaaki Whenua/Landcare Research. Dung Beetles: NZ's missing link to achieve sustainable pastoral agriculture? Online reference,. <https://www.landcareresearch.co.nz/publications/soil-horizons/soil-horizons-articles/dung-beetles-nzs-missing-link-to-achieve-sustainable-pastoral-agriculture/>

Tell us about the project management, including leadership and financial oversight:

Our group is chaired by Danette McKeown, a farmer and environmental geologist (MSc Environmental Science), along with three representatives Kiri Rupert, Alison Hurley and John Saywell, all commercial farmers with an interest in sustainable farming practices. The Barkers Creek Group is a catchment member of Living Landscapes South Canterbury who can provide Incorporated Society status and financial oversight for the group.

List any other groups or organisations you are partnering with on this project, such as community groups, schools etc:

We have and will engage with Woodbury School (see attached letter of support) and Geraldine High School (see attached letter of support) in releasing the beetles and educating students about stream health and nature-based solutions. Barkers Creek has recently been working with both schools with eDNA sampling and reviewing results (as part of the Wai Tuwhera o te Taiao Project).

We provide news articles to the wider community via Geraldine News. Our associations with other groups include Orari River Protection Group (we presented a synopsis of our activities at the 2022 Annual Meeting) and Living Landscapes SC.

The Geraldine High School Primary Industries Academy (PIA) have been involved with riparian fencing, planting and tree releasing.

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<p><i>We have the support of Beef&Lamb NZ and DINZ (see attached letter of support) who have previously supported the facilitation of workshops (such as catchment winter grazing plans and catchment priority planning) and are happy to continue to do so (i.e dung beetle establishment and management workshop).</i></p>	
<p>How will you engage the community on the project:</p>	
<p><i>The release of the beetles will include local students (and we often find their families join in, particularly where we have primary aged children).</i></p> <p><i>We will place articles in community newspapers and LLSC Facebook Page.</i></p> <p><i>We have previously held public open days (via collaborations with DINZ and Forest and Bird NZ) where we held a stream walk and highlighted some of the work that has been done in the catchment. We can continue to do these.</i></p>	
<p>Do you know of any cultural values associated with this site?:</p>	<p>NO</p>
<p>If yes, what engagement has occurred or is planned (if any) with local Papatipu Rūnanga about this project?:</p>	
<p><i>Living Landscapes SC has been working towards developing a relationship with Runanga o te Arowhenua. While our catchment group has had limited success in engaging with mana whenua, we feel, in the interim, we can best support mana whenua by improving stream and soil health, and building the mana of the land.</i></p>	
<p>Please provide an accurate location with grid reference and/or map (if relevant to your project):</p>	
<p>Map attached</p>	
<p>Who owns the land?:</p>	
<p><i>Attach evidence of permission from the landowner, or their representative (if undertaking a project on land you do not own)..</i></p>	
<p>n/a</p>	

Funding details

Your budget should include estimates of income and expenditure, including other funding and in-kind contributions. You should show clearly what you are planning to spend the Action Plan funds on if successful. For applications for less than \$15,000 a simple budget is fine. We would like more detail if your application is for a larger amount e.g. more than \$15,000 or more than \$50,000. We have a budget template in the guidance document.

<p>How much funding are you requesting?</p>	<p>20000</p>
<p>If you are successful with this application, what components of your project will you spend the money on?:</p>	
<p><i>If you have a project budget, please attach it to your application.</i></p>	
<p> </p>	

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<p>Have you applied to or received funding from other organisations for this project?:</p> <p>If yes, please provide details below or note if it is included in your attached budget.</p> <p><i>The CWMS Action Plan Budget is seed funding or leverage for partnering and collaboration so it is positive if you have received or are applying for other funding.</i></p>	<p>NO* (we had applied to the MPI SFFF as part of a wider Living Landscapes SC project but have not progressed)</p>
<p>* While not the dung beetles project directly, we have been successful in our recent application to the Access to Experts programme/fund for a review of phosphorus and nitrogen in our catchment – we have a Scope of Services (with A2E who will contract Dr Michael Greer/Torlesse Consulting) with the following aims;</p> <ul style="list-style-type: none"> – Review existing literature and studies undertaken on the catchment - Interpret the results of water quality sampling undertaken within the catchment in recent years - Potentially provide advice on monitoring or investigatory work that may be needed to develop an improved understanding of nutrient levels in the catchment - May also provide advice on potential mitigations for any identified water quality issues <p>We anticipate that this work will be completed in April and will complement our efforts in improving water quality across the catchment.</p>	
<p>Is the project receiving any other monetary or “in-kind” contributions from your organisation or others e.g. manpower, use of resources, facilities and equipment?</p> <p>If yes, please provide details below:</p>	<p>YES</p>
<p>Workshop Facilitation (Danette McKeown – trained facilitator) – preparation and presentation of workshop with advice from Shaun Forgie (Dung Beetle Innovations)</p> <p>Woodbury Domain Board – use of Woodbury Hall</p> <p>Beef&LambNZ – projector and workshop equipment</p> <p>Catchment Members – Volunteer time for workshop, labour for beetle releases (collection of dung, travel, release)</p>	

Working with us and Environment Canterbury

<p>In the last three years have you received funding or other support from Environment Canterbury for this, or any other project?*</p> <p>If yes, what was the funding/support for, and when did you receive it?:</p>	<p>YES</p>
<p>We have had Land Management Advisors (Helen Risk, Janine Roux, Sophie</p>	

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McClenaghan) come to our catchment workshops or farms and present on various matters such as river engineering, ECan priorities, bat monitoring, and risk assessment (various 2020-2022)	
Are you intending on applying to another Environment Canterbury fund this financial year for this, or any other project?	NO
If yes, what fund are you applying to?	

Additional information

Do you have supporting information you would like to provide (optional)?:

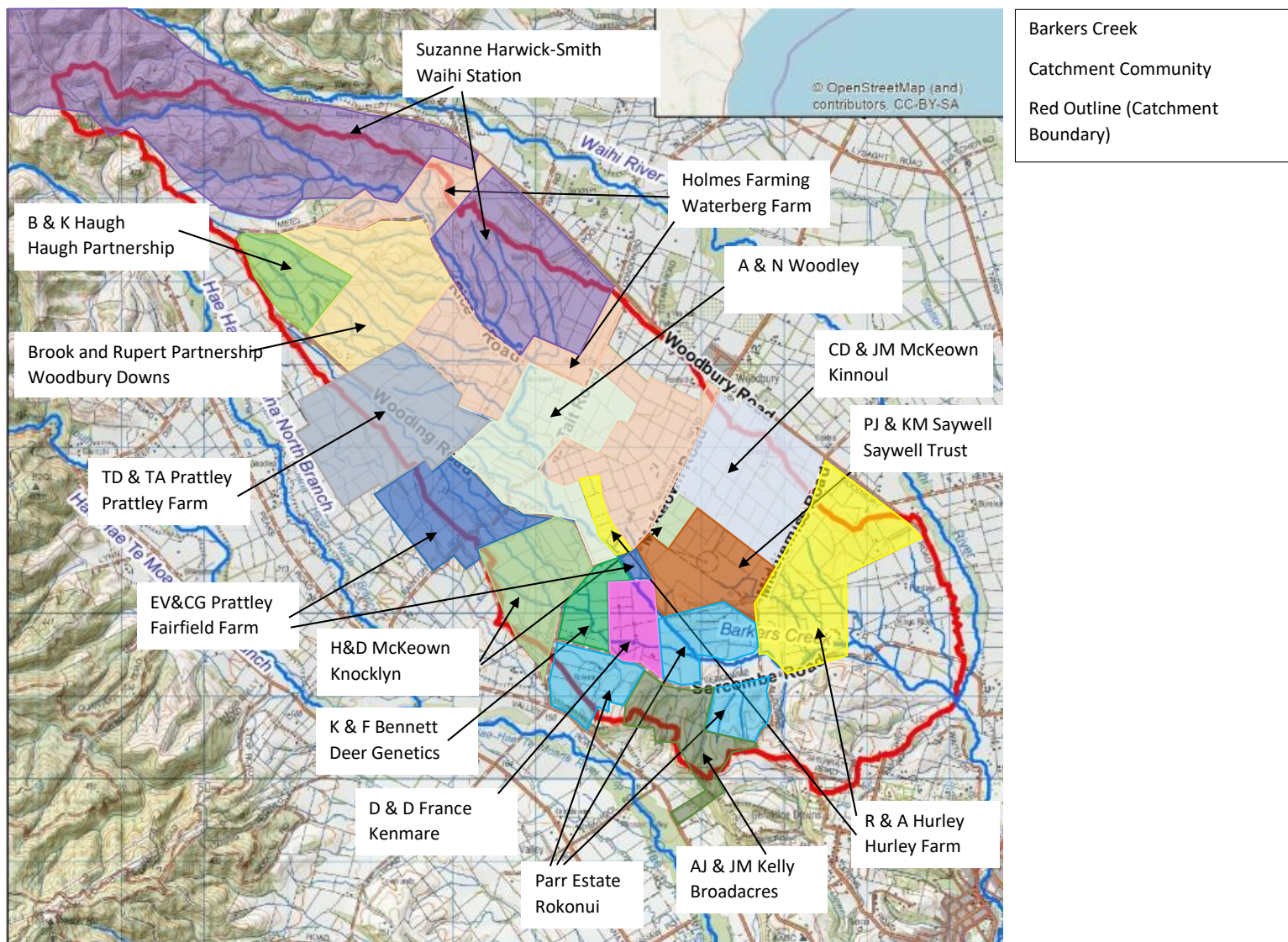
Please attach any supporting information with your application.

Once completed, please send this application form to the relevant Zone Facilitator:

- Ashburton - Jaimee Grant (jaimee.grant@ecan.govt.nz) Note: applications for Ashburton close Thursday 29 February 2024.
- OTO and Lower Waitaki – Dave Moore (dave.moore@ecan.govt.nz)
- Upper Waitaki – Murray Griffin (murray.griffin@ecan.govt.nz)

The Zone Facilitator will keep in touch with you about timeframes, whether the Committee would like you to give them a presentation, and whether there are any questions or further information is required.

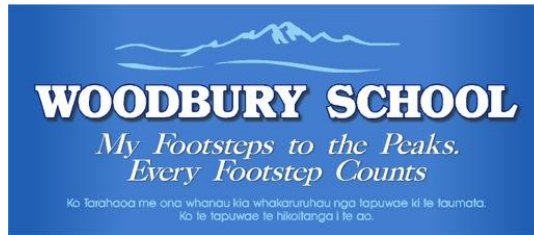
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PROJECT BUDGET TEMPLATE

INCOME		
Confirmed and 'in-kind' funding		
Source	Project allocation	Amount \$
From group cash contributions	Purchase of dung beetles (50% share)	20000
Workshop Facilitator	Facilitation of pre-release workshop (establishment and management) - includes prep and facilitation. 7hrs x \$70	500
Project Manager	Communications, engagement and facilitation within group, schools and other groups 20 x \$70	1400
Volunteer Hours and Labour (Group)	Workshop and initial release 15 x 4hrs x \$23.65	1702
Woodbury Domain	Subsequent releases x 3 - 15 x 6hrs x \$23.65	2128
	Hall Hire for workshop	30
Beef&LambNZ	Projector and screen, facilitation resources, refreshments and support	250
	Sub-Total	\$26,010.00
Unconfirmed Funding*		
Source	Project allocation	Amount \$
OTOP Zone Committee Grant	Purchase of dung beetles (50% share)	\$20,000.00
	Sub-Total	\$20,000.00
	TOTAL INCOME	\$46,010.00

*Unconfirmed funding is the shortfall amount your organisation is committing to seek from other sources



559 Woodbury Road
RD21, Geraldine
Phone: 03 692-2817

E-mail: office@woodbury.school.nz
Website: www.woodbury.school.nz

To whom it may concern,

I am writing this letter as Principal of Woodbury School, in support of the Barkers Creek Catchment Group application for funding through the OTOP Zone Committee Action Plan Fund.

This would be a fantastic learning opportunity for our children, and one which as a school we would be excited to take part in. I take a group of students for different learning opportunities outside the classroom, and this would fit in well both in engaging our students and in curriculum-related outcomes.

Should the dung beetle release project proceed, we have a group of students who would take part in a range of scientific and observational studies (in conjunction with our current eDNA studies), which would run with a "Science Fair" type approach. There would be a huge amount of learning prior regarding the environment and habitats, as well as some work around the economic impacts of farming for our region and the need for sustainable and environmentally friendly approaches.

For us, a huge benefit is that this caters for some children we have identified as having some specific learning difficulties (mostly in literacy), but who are creative thinkers keen on rural activities, animals, plants and the environment. The ability to take part in hands-on learning, to record their ideas via video and photos rather than pen and paper, along with the need to problem-solve and communicate with others would really engage these students.

Nga mihi,

Mike
Tumuaki / Principal
Woodbury School



Geraldine High School

RESPECT • RELATIONSHIPS • RESPONSIBILITY • ACHIEVEMENT

Geraldine High School
Primary Industry Academy
McKenzie St
Geraldine

To whom it may concern,

The Geraldine High School Primary Industry class (PIA) is a nationally recognised course which entails practical learning for the real world. We cater for students from both urban and rural backgrounds from yr 11-13, with an interest in the primary sector and whose life after-school plan ranges from working on farm (shepherding, contracting, dairying), within the agricultural industries (services irrigation, retail, agricultural engineering, ag support), or tertiary study.

Our course is based around practical learning and aims to give our students skills that are useful in their chosen pathways. We work with the Primary ITO to offer training and qualifications in subjects such as operating farm machinery and plant, health and safety/first aid, fencing, welding, chainsaws, environmental regulation but our course also offers capability building in transferable, flexible skills such as communication, leadership, ethics and resilience. Being able to develop skills in a real world context is essential for engaging students. Working alongside our adult experts and helping our community and environment is one of the key components that lets our students put into practice what they have learnt while also developing an understanding of issues affecting our industry at ground level and the attitudes they will need to thrive in their chosen fields.

The Barkers Creek Group is instrumental in offering the PIA group learning opportunities, and a chance to put into practice what we have learnt at school, further developing skills and an understanding around caring for our environment. Along with farm placements for student learning, work that we carry out with farmers within the Barkers Creek group includes erecting stock proof fences along waterways (providing valuable fencing practice), planting and releasing of riparian plantings, weed/crop management and provides evidence for students Level 2 NCEA qualification.

We support the Barkers Creek Group, and the Catchment Collective South Canterbury in their application to the MPI fund, and hope that further projects that would be undertaken as part of any resourcing will provide further opportunities for our students to learn and upskill.

Kind Regards,

Sarah Foley-Smith
HOD Primary Industry Academy
Geraldine High School
s.foley@geraldinehs.school.nz

93 McKenzie Street, Geraldine 7930, New Zealand PHONE +64 3 693 0017 EMAIL office@geraldinehs.school.nz WEB geraldinehs.school.nz

3 May 2022

Janet Gregory
South Island Lead, Extension Services
Ministry for Primary Industries

Re: Support for SFFF funding application - Barkers Creek Catchment Group, South Canterbury

Dear Janet

Deer Industry NZ as part of the Passion to Profit (P2P) programme have been working with this Catchment group for the past three years. There are a significant number of deer farmers in this group. They were the first group nationally to form as a Deer Industry Environment Group and have been meeting regularly to build their environmental awareness across a range of topics and add to their Farm Environment Plans.

The environment group have been inclusive of all farmers in the area, and we are very supportive of the work of the Barkers Creek catchment group (and the wider Catchment Collective South Canterbury) and the progress they are making.

This group is poised to make significant progress and with additional funding support the progress will only accelerate. Deer Industry NZ will continue to support the aims and objectives of this catchment group and look forward to an ongoing linkage to the programmes they pursue.

We would be very happy to provide any additional information and reiterate again our support for this application from the Barkers Creek catchment group.

Yours sincerely



Innes Moffat

CEO
Deer Industry New Zealand

9.3 Te Kete Tipuranga o Huirapa Funding Request

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

1. That the OTOP Water Zone Committee receives the presentation and funding request, and
2. considers this funding application from Te Kete Tipuranga o Huirapa Ltd.

Purpose of Report

- 1 To present Te Kete Tipuranga o Huirapa Ltd funding application.

Discussion

- 2 Felicity McMillan and Matthew Rudd from Te Kete Tipuranga o Huirapa Ltd will speak to their request for funding of \$12,000 for two rounds of plant maintenance in the dryland area Opihi Lagoon. This will allow for good plant growth and suppress woody weeds which will otherwise dominate the plantings.
- 3 This funding request is for the 2024/25 financial year.

Attachments

1. Funding application - ZC Action Plan Budget Opihi Lagoon [!\[\]\(9bfa69b6b0f097b09744337d04f22d78_img.jpg\)](#) 

Application for funding - Zone Committee Action Plan Budget 2023/24

Applicant details

Organisation (if applicable):	Te Kete Tipuranga O Huirapa Ltd. (Arowhenua Native Nursery)
Contact name:	Felicity McMillan
Contact email:	Felicity.mcmillan@ngaithau.iwi.nz
Contact phone number:	027 320 8632

About your project

The amount of information and detail we would like you to provide is in proportion to the amount of funding you are requesting. If it is smaller amount, then a simple description of your project, who's involved and what you will be doing, along with a simple budget is sufficient.

Project name:	<i>Opihi Lagoon</i>
CWMS zone where the activity will occur:	<i>OTOP</i>
Provide a brief project summary:	
<p><i>The Opihi lagoon is a large and significant wetland located on the south side of the Opihi River mouth. It has high ecological and cultural value. The Opihi lagoon is also classified as a 'High naturalness waterbody' in section 4.5.4 of the OTO ZIPA. The wetland has received significant investment over the last four years as its values are threatened by weed encroachment, vehicle damage and predation of birds. In this time:</i></p> <ul style="list-style-type: none"><i>- Commissioned and received a site-specific restoration plan;</i><i>- Over 51,000 native plants have been planted to enhance biodiversity values.</i><i>- Vehicles have been excluded from the wetland as they were causing significant damage.</i><i>- Access to the wetland has been improved.</i><i>- Extensive and consistent weed control has been carried out over 9 ha to protect the ecological values of the wetland.</i><i>- Willow trees have been removed from wetland areas.</i><i>- Pest control is carried out in the wetland.</i> <p><i>Existing funding for this work has come to an end. Funding is sought to provide maintenance of the plantings that have been planted in the dryland areas.</i></p>	
Describe the outcomes or impacts of this project:	
<p><i>Outcomes or impacts are what will change or who will benefit from this work, including enduring benefits. For example, fencing off springheads will improve biodiversity and improve stream health.</i></p>	

<p>Funding sought will cement the gains made over the last four years and ensure that the cultural and ecological significance of the lagoon is protected.</p>
<p>List the key outputs of the project: <i>An output describes what your group is proposing to do and is measurable. For example, install 250 m of fencing, or train 25 volunteers. Outputs are important and may be used as milestones in a funding agreement.</i></p>
<p>Funding is sought for two rounds of plant maintenance in the dryland area plantings. This will allow for good plant growth and suppress woody weeds which will otherwise dominate the plantings.</p> <p>It is estimated that each round of plant maintenance will take a five person crew four days.</p>
<p>Please state how the project aligns with the relevant Zone Committee's 2021-24 Action Plan: <i>All action plans can be found as a link at the bottom of the "What's happening in my zone" page on the Environment Canterbury website. (https://www.ecan.govt.nz/your-region/your-environment/water/whats-happening-in-my-water-zone/)</i></p>
<p>This project aligns strongly with the Zone Committee's Action plan to protect and enhance:</p> <ul style="list-style-type: none"> -Mahinga kai -Indigenous biodiversity -Riparian management -Protection and enhancement of wetlands <p>It also aligns with the OTOP ZIPA recommendation 4.5.9.x</p> <p>'projects that contribute to the protection and enhancement of the following areas are prioritised for funding and resources in the zone, including funding allocated under the Immediate Steps Programme:</p> <ul style="list-style-type: none"> a. Coastal... lagoons to support indigenous biodiversity and over time provide a biodiversity corridor: c. protection and enhancement of braided river habitat (the Opihi lagoon is a part of the braided Opihi River); d. opportunities to protect high value species, sites or habitats in the zone...
<p>Tell us what activities you're intending to do and when you intend to have the project completed (timeline):</p>
<p>Funding is sought to maintain the dryland plantings at the Opihi Lagoon in the 24/25 financial year. Options are being explored to carry on with the restoration and enhancement of the site in subsequent years.</p>
<p>Tell us about the project management, including leadership and financial oversight:</p>
<p>Project management, leadership and financial oversight will be carried out by Te Kete Tipuranga O Huirapa Ltd (Arowhenua Native Nursery) who are experienced in the ecological restoration of sites like this one.</p>

List any other groups or organisations you are partnering with on this project, such as community groups, schools etc:

Work to date on this site has been funded by Land information New Zealand and managed by the Department of Conservation. The project has also been supported by Te Kete Tipuranga O Huirapa Ltd (Arowhenua Native Nursery) and Environment Canterbury.

How will you engage the community on the project:

This is a publicly accessible site and the enhancement for recreational and education purposes where they do not conflict with the goals of the project is a possibility in the future.

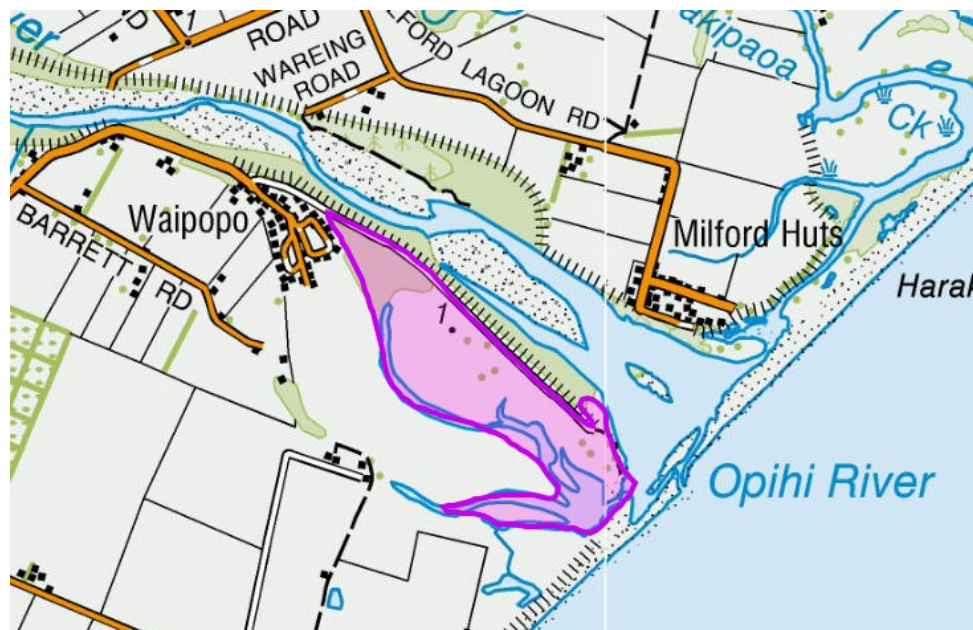
Do you know of any cultural values associated with this site?:

YES

If yes, what engagement has occurred or is planned (if any) with local Papatipu Rūnanga about this project?:

Protection and restoration of this site has been driven by Arowhenua Rūnaka.

Please provide an accurate location with grid reference and/or map (if relevant to your project):



Project area shown in pink.

Who owns the land?:

<i>Attach evidence of permission from the landowner, or their representative.</i>
The project area is unallocated Crown land. At this stage verbal agreement has been provided by Land Information New Zealand and a formal management agreement is being worked through.

Funding details

Please attach a budget to your application if one has been prepared. Your budget should include estimates of income and expenditure, including other funding and in-kind contributions. You should show clearly what you are planning to spend the Action Plan funds on if successful. We would like more detail if your application is for a larger amount

How much funding are you requesting?	\$12,000
If you are successful with this application, what components of your project will you spend the money on?* <i>If you have a project budget, please attach it to your application.</i>	
This funding will be spent on two rounds of plant maintenance. Each round will take four days to work through. The cost for this is \$1,500 per day including all the necessary herbicides and equipment.	
Have you applied to or received funding from other organisations for this project?: If yes, please provide details below or note if it is included in your attached budget.	No (for the 24/25 FY)
Is the project receiving any other monetary or “in-kind” contributions from your organisation or others e.g. manpower, use of resources, facilities and equipment? If yes, please provide details below:	YES
Predator trapping is currently being undertaken by our trapping team on a 30day cycle	

Working with us and Environment Canterbury

In the last three years have you received funding or other support from Environment Canterbury for this, or any other project?* If yes, what was the funding/support for, and when did you receive it?:	NO
No funding from Environment Canterbury has been received for this project.	

Are you intending on applying to another Environment Canterbury fund this financial year for this, or any other project?	NO
If yes, what fund are you applying to?	

Additional information

Do you have supporting information you would like to provide (optional)?:

Please attach any supporting information with your application.



Figure 1: Planting carried out. Red is 2021, green is 2022, pink is 2023 and yellow is 2024.



Figure two: Area of wetland with extensive vehicle damage with harakeke, pukio (*Carex secta*) and salt marsh ribbonwood (*Plagianthus divaricatus*) planted in June 2023.



Figure three: Penny Lane in an area that used to be a very deep hole in the track. Newly placed boulders on right. Note that the trees on the right have now been removed.

**Once completed, please send this application form to
dave.moore@ecan.govt.nz**

9.4 Committee Update

Author: Dave Moore, Zone Facilitator

Authoriser:

Recommendation

That the OTOP Zone Committee receives this report and provides feedback.

Purpose of Report

- 1 To update the Committee on actions from the previous meeting, relevant information and upcoming engagement opportunities.

Review of CWMS zone committees

- 2 The following update is provided on the 2024 CWMS Zone Committee Review.
- 3 At its meeting in August 2023, the Canterbury Mayoral Forum agreed to a review of Zone Committees to enable and support local leadership and ownership of freshwater management issues into the future.
- 4 Environment Canterbury has commenced planning the 2024 zone committee review. This review will focus on what structure, function and resourcing are needed to support local freshwater leadership into the future.
- 5 The CWMS is underpinned by a collaborative approach between Environment Canterbury, territorial authorities, Ngāi Tahu, sector groups and communities. While the aim is to keep this review simple, it will reflect this collaborative ethos by engaging with key stakeholders under the auspices of the Canterbury Mayoral Forum (as the 'owner' of the CWMS).

The review's objectives are to answer the following main questions:

- (i) What local freshwater leadership is required in the future?
 - (ii) For which actions will key partners (Environment Canterbury, Territorial Authorities and mana whenua) need local leadership to deliver freshwater management outcomes in the future?
 - (iii) What resourcing is required to support local leadership?
- 6 Environment Canterbury is leading the review and will report back to the Mayoral Forum, following engagement with Mayors, zone committee members, and mana whenua representatives. Refer to Table 1 below for key actions and milestones.

Table 1: Zone Committee review – key actions and milestones

August 2023	Mayoral Forum agrees to a review of Zone Committees
December 2023	Initial engagement with Zone Committee Chairs and Deputies
February – April 2024	Engagement with Zone Committees, Mayors, mana whenua and other key partners

May 2024	Preliminary report to Mayoral Forum and agreement to next steps
August 2024	Progress update to Mayoral Forum
November 2024	Final report with recommended options for Mayoral Forum decision

- 7 We look forward to working closely with you over the coming months.
- 8 Please feel free to liaise with your zone committee facilitator to provide feedback on the proposed approach and discuss how to best involve your committee in this review.
- 9 Engagement with Zone Committees is planned for late March – early April. The Facilitator would like feedback on the following options:
 - (i) 8th April - Replace Zone Committee meeting with a review session.
 - (ii) 8th April - Hold a shortened Zone Committee meeting followed by the review session.
 - (iii) Hold the review session on a different date.
 - (iv) The review session could be online or in person. Does the committee have a preference?

Environment Canterbury's Long Term Plan

- 10 The next Regional Council meeting will be on Wednesday 28 February. It will include the consultation document for the draft Long-Term Plan for 2024-34. A further update on the Draft LTP consultation document will be provided at the Zone Committee meeting.

Learning about protecting rock art and mahinga kai

- 11 Te Rūnanga o Arowhenua, the Ngāi Tahu Māori Rock Art Trust, and Canterbury Regional Council (Environment Canterbury) held two presentation sessions covering rock art and mahinga kai at the Pleasant Point Hall, on 22nd of February. The morning session was for rural professionals and the afternoon one was for landowners with rock art on their properties.
- 12 Fieldtrips to the Ōpihi site are planned for late March/early April. Funding from the OTOP Water Zone Committee's Action Plan fund (2022/23) will be used to support the field trips.

Attachments

Nil

- 10 Consideration of Urgent Business Items**
- 11 Consideration of Minor Nature Matters**
- 12 Closing Karakia**