
Banks Peninsula Water Management Zone Committee AGENDA

Notice of Meeting:

A meeting of the Banks Peninsula Water Management Zone Committee will be held on:

Date: Tuesday 19 March 2019
Time: 4pm
Venue: Lyttelton Community Boardroom, 25 Canterbury Street, Lyttelton

Membership

Members

Gina Waibl - Community Representative
Rima Herber - Community Representative
Elizabeth Macpherson - Community Representative
Ben Manson - Community Representative
Paula Smith - Community Representative
Garrick Thorn - Community Representative
Andrew Turner - Deputy Mayor Christchurch City Council
Elizabeth Cunningham - Councillor Environment Canterbury
Manaia Cunningham - Te Runanga o Koukourarata
Benita Wakefield - Te Runanga o Wairewa
Pere Tainui - Te Runanga o Onuku
June Swindells - Te Hapū o Ngāti Wheke/Rapaki

14 March 2019

Committee Advisor
Liz Ryley
Tel: 941 8153
Christchurch City Council

Principal Advisor
Peter Kingsbury
Principal Advisor Natural
Resources
Tel: 941 8487
Christchurch City Council

Zone Facilitator
Olivia Smith
Zone Facilitator
Tel: 027 886 3949
Environment Canterbury

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<https://www.ecan.govt.nz/get-involved/council-and-committee-meetings/>

Banks Peninsula Zone Action Plan 2018-2021 – Finalised 16 October 2018

This 3-year plan includes the key actions to be delivered by councils, agencies and the community to help make progress toward achieving the priority outcomes from the Banks Peninsula ZIP. The Zone Committee play a key role in supporting the delivering this action plan through:

- **Engaging the Banks Peninsula community**– make connections, be a contact for community members to discuss issues/solutions, be a community voice.
- **Hosting events, workshops, public meetings, fieldtrips** to share information, seek input/feedback, and celebrate success.
- **Using media** to build the profile of the committee, share information and celebrate success.
- **Supporting and celebrating** the work of landowners and community groups.
- **Allocating the IMS biodiversity fund.**
- **Making recommendations** to councils to influence work programmes and influence the priorities of agencies.
- **Reporting** to Councils, Ngai Tahu and the Banks Peninsula Community Board.

| ZIP and ZIPA Outcomes | Priority actions for 2018-2021 |
|---|--|
| <p>1. Kaitiakitanga <i>All waterbodies in Banks Peninsula have Kaitiakitanga as an overarching value and reflect Ki Uta Ki Tai, Mauri, mahinga Kai, Wahi Tapu and Waihi Tonga.</i></p> <p><i>Wairewa ZIPA Outcome -All streams that flow into the lake are flourishing ecosystems reflecting mauri, kaitiakitanga and mahinga kai values.</i></p> | <ol style="list-style-type: none"> 1. Support the implementation of the Whakaraupō Catchment Management Plan project to complete riparian planting on four streams Ki Uta Ki Tai. <i>ZC Role: To be advised once more certainly about the structure for implementing the WCMP plan.</i> 2. Mahinga Kai is used as an indicator to help monitor the health of Banks Peninsula Waterways <i>Contributors: Rūnanga, Ecan</i> <i>ZC Role: Recommend that Ecan integrate this into the science monitoring programmes.</i> 3. Increase community understanding of Mahinga kai through FEP workshops, Nature Agents Programme, landowner advice and public events. <i>Contributors: Rūnanga, ZC, landowners,</i> <i>ZC Role: Rūnanga reps input to FEP workshops and nature agents programme, ZC promote info card, share new research e.g. Whakaraupō Mahinga Kai research.</i> 4. Each year, showcase an example of a Ki Uta Ki tai approach on Banks Peninsula. <i>Contributors: ZC, Rūnanga, landowners</i> <i>ZC Role: Each year ZC select example, advise on communication approach (article, public fieldtrip etc) and contribute to content.</i> |

| | |
|---|---|
| <p>2. Water Quality <i>People have access to safe drinking water.</i></p> <p><i>Water quality is monitored, and rules are developed to maintain and improve it where appropriate</i></p> <p><i>Wairewa ZIPA Outcome -Te Roto o Wairewa is a nationally significant project showcasing outstanding environmental restoration.</i></p> | <p>5. Support communities to have safe and secure drinking water sources. <i>Contributors: CPH, CCC, Ecan, ZC Role: Help advocate with communities where required/appropriate.</i></p> <p>6. Assessment of BP marae drinking water supplies and actions plans to address issues. <i>Contributors: Runanga, CPH, Ecan Tuia Team. ZC Role: Receive regular updates</i></p> <p>7. Share in depth annual water quality and ecosystem health monitoring results and relevant research with the Banks Peninsula community. <i>Contributors: Councils, DOC, Nature Agents, Research Institutes, Industry Groups, Community ZC Role: Share information with communities, advise research institutes of local research gaps/opportunities.</i></p> <p>8. Host two FEP workshops per year which effectively incorporate biodiversity and mahinga kai. <i>Contributors: Beef and Lamb, CCC, Ecan ZC Role: Host workshop with Beef and Lamb and encourage landowners to attend using your network of contacts.</i></p> <p>9. Support all Wairewa landowners to exclude stock from waterways by 2020. <i>Contributors: Ecan, landowners ZC Role: Strategies a way to best influence CCC and provide advice on how to communicate these new requirements to ensure people understand the reason why.</i></p> |
| <p>3. Water Quantity <i>There is enough water available in the Banks Peninsula Zone to meet the needs of daily living, stock water, and fore fighting storage as a priority, and allow allocation for other uses where these priority needs are already being met.</i></p> <p><i>Allocation of water required to meet these needs is subject to flow and allocation limits so that the unique values of the Banks Peninsula streams are protected.</i></p> | <p>10. Promote water efficiency and provide advice to ensure people understand how they can be more efficient and the reasons why water efficiency is important. <i>Contributors: landowners CCC Ecan, ZC Role: Provide advice on an effective communication approach to engage community and share messages through networks. Consider public opportunities/events to promote messaging over summer.</i></p> <p>11. Encourage landowners to develop stock water systems. <i>ZC Role: Help promote information and advice.</i></p> <p>12. Continue investigations into minimum and environmental flows on Banks Peninsula and their relationship to consented and permitted water takes. <i>ZC role: Recommend that Ecan undertake this work.</i></p> |
| <p>4. Biodiversity <i>Banks peninsula is recognised in the region for showcasing flourishing biodiversity.</i> <i>Protection of biodiversity is promoted, supported and celebrated and enhancement undertaken where appropriate.</i> <i>Flag projects are showcased as</i></p> | <p>13. IMS biodiversity fund is strategically allocated and progress celebrated. <i>Contributors: ZC, Ecan, landowners ZC Role: Approve projects, encourage and support landowners and celebrate projects.</i></p> <p>14. Improve and update the IMS Project Booklet annually with a coordinated map showing all biodiversity projects and reserves on Banks Peninsula (including IMS, CCC, Trust, DOC reserves etc).</p> |

| | |
|---|---|
| <p><i>examples of excellent biodiversity achievement.</i></p> | <p>Contributors: Ecan, CCC, DOC, BPCT, QEII <i>ZC Role: Use the booklet to celebrate success and utilise the map for helping prioritise projects.</i></p> <p>15. Address native fish barriers on public land and educate landowners. Contributors: Ecan, DOC, CCC, NZTA <i>ZC Role: Work with Council staff to ensure that new barriers are not constructed, and that existing infrastructure is upgraded to 'best fish passage practice'.</i></p> |
| <p>5. Erosion and Sediment <i>Sediment discharge into waterways are minimised.</i></p> <p><i>Sediment build in the harbours is managed sustainably to prevent damage to mahinga kai and Kai Moana from erosion and sedimentation.</i></p> <p><i>Wairewa ZIPA Outcome- Sediment discharges into waterways is reduced.</i></p> | <p>16. Complete the Whakaraupō Road Cutting Trial by 2021 to determine effective erosion control techniques Contributors: CCC, Ecan, Eos Ecology <i>ZC Role: ZC representative on working group.</i></p> <p>17. The Wairewa bank stabilisation pilot project is completed by 2021 and funding is secured to extend the pilot. Contributors: Rūnanga, Ecan, DOC, landowners <i>ZC Role: Encourage landowners to participate in project and work with rūnanga to secure funding to scale up the project.</i></p> <p>18. Support forestry landowners and operators to understand the National Environmental Standard for Plantation Forestry and ensure that erosion susceptibility is integrated into any forestry resources. Contributors: ZC, Industry, Ecan, CCC <i>ZC Role: Engage community and provide advice to industry/councils on how to best communicate requirements with the local community.</i></p> <p>19. Forestry activities and high-risk construction sites are prioritised for monitoring. Contributors: Ecan <i>ZC Role: Influence Ecan monitoring programme and receive regular updates on compliance.</i></p> <p>20. Continue to undertake soil mapping on Banks Peninsula. Contributors: Ecan, CCC, Landcare Research <i>ZC Role: Receive updates on project progress and help build community awareness about work.</i></p> |
| <p>6. Wastewater <i>Wastewater us not discharged to the harbour but reclaimed to land. Wastewater is treated to a high quality and promoted as an innovative water and irrigation source for the Peninsula.</i></p> | <p>21. Complete a research project on the impacts of onsite domestic wastewater systems on Wainui waterways. Consider research findings and develop an action plan. Contributors: Waterways Centre and Wainui community. <i>ZC Role: Support researcher with contacts, encourage community participation, consider research findings and suitable actions.</i></p> <p>22. Raise public awareness about the need to regularly maintain onsite wastewater systems Contributors: ZC, Ecan, community <i>ZC Role: Provide advice on how to best communicate this message locally, share information through networks, and recommend Ecan prioritise consent monitoring.</i></p> <p>23. Advocate for a successful resolution of the Akaroa Wastewater Scheme. Contributors: CCC, community <i>ZC Role: Provide input/advice where appropriate.</i></p> |

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| <p>7. Climate Change <i>Climate change effects are taken into account in all infrastructure upgrades and planning on Banks Peninsula. As the Climates changes there is adequate water available and flooding is mitigated.</i> <i>Wairewa ZIPA Outcome- Risks of flooding are known and understood and flood hazards reduced.</i></p> | <p>24. Consider climate change effects on all actions.</p> <p>25. Promote the development of a contestable fund for flood management. <i>Contributors: ZC, Ecan, community</i> <i>ZC Role: Recommend to Ecan that a contestable fund be established as part of LTP and provide advice on how this could work.</i></p> |
| <p>8. Education and Communication <i>The Banks Peninsula community is empowered by education in environmental management. Environmental success in the zone are appropriately recognised and publicised.</i></p> | <p>26. Develop and implement 6 monthly zone communication plans. This is to include a range of communication channels including social media. <i>Contributors: ZC, Ecan, CCC</i> <i>ZC Role: Input to plan and assist with the content and delivery.</i></p> <p>27. Support and promote freshwater education programmes and community led projects. <i>ZC Role: Support groups through attendance at events, raise profile in community through inviting to ZC meeting and sharing information/photos using social media.</i></p> <p>28. Zone Committee to provide updates to CCC, Ecan, Community Boards and the wider community. <i>ZC Role: Quarterly reporting to CCC, annual reporting to Ecan, initiate regular reporting to community board.</i></p> <p>29. Recommend that 15 streams on Banks Peninsula are labelled. <i>Contributors: CCC</i> <i>ZC Role: Effectively influence CCC priorities to fund signage.</i></p> |
| <p>9. Coastal <i>The harbours are a natural extension of the rivers and streams. The marine biodiversity of the harbours is protected and restored.</i></p> | <p>30. Ongoing research in the coastal environment to inform the Coastal Plan Review. <i>Contributors: DOC, Ecan, CCC, Universities</i> <i>ZC Role: Revise and share updates on research where appropriate. ZC participate and contribute to the development of the Plan.</i></p> |

Banks Peninsula Water Management Zone Committee

Members' Register of Interests at 17 December 2018

| Representative's Name and Interests | |
|--|---|
| | |
| Updated: | 13 February 2019 |
| | |
| Paula Smith | <ul style="list-style-type: none"> • Member of the Canterbury Aoraki Conservation Board Te Rūnanga Papa Atawhai o Waitaha me Aoraki • Chair of Stoddart Cottage Trust, Diamond Harbour • Friend of Orton Bradley Park • Residential landowner, Diamond Harbour |
| | |
| Gina Waibl | <ul style="list-style-type: none"> • Owner of a forestry block with a number of springs (67ha) and a small flock of sheep • Predator Free Port Hills Steering Committee • Resident of Lyttelton Harbour |
| | |
| Garrick Thorn | <ul style="list-style-type: none"> • Resident of Sumner • Operations Engineer at Dept of Chemical and Process Engineering, University of Canterbury, • Experienced: Researcher, Project manager, Process engineer, Environmental engineer (wastewater treatment) • Passionate about science/engineering outreach, engagement and education. |
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TABLE OF CONTENTS

Karakia/Timatanga

| | |
|---|---|
| 1. Apologies..... | 8 |
| 2. Confirmation of Previous Minutes..... | 8 |
| 3. Matters Arising from the Minutes..... | 8 |
| 4. Deputations by Appointment | 8 |
| 5. Identification of Urgent Items | 8 |
| 6. Identification of General Public Contribution..... | 8 |

STAFF REPORTS

| | |
|---|----|
| 7. Zone Committee Election of Chairperson, Deputy Chairperson and Regional Representative | 17 |
| 8. Whakaraupō Roadside Cutting Project Update..... | 19 |
| 9. Monitoring Using Mātauranga | 21 |
| 10. Okains Bay Drainage Matters - Verbal Update Update by Peter Kingsbury | |
| 11. Zone Committee Communications | 23 |
| 12. Facilitator's Update - 19 March 2019 | 27 |

Karakia Whakamutunga

The meeting will be opened with a Karakia/Timatanga and closed with a Karakia/Whakamutunga

1. Apologies

At the close of the agenda no apologies had been received.

2. Confirmation of Previous Minutes

That the minutes of the Banks Peninsula Water Management Zone Committee meeting held on [Tuesday, 19 February 2019](#) be confirmed (refer page 9).

3. Matters Arising from the Minutes

4. Deputations by Appointment

There were no deputations by appointment at the time the agenda was prepared.

5. Identification of Urgent Items

6. Identification of General Public Contributions



Banks Peninsula Water Management Zone Committee OPEN MINUTES

Date: Tuesday 19 February 2019
Time: 6.30pm
Venue: Te Whare Tapere O Te Mata Hapuku - Birdlings Flat
Community Centre, 157 Poranui Beach Road, Birdlings Flat

Present

Members

Gina Waibl - Community Representative
Rima Herber - Community Representative
Elizabeth Macpherson - Community Representative
Ben Manson - Community Representative
Paula Smith - Community Representative
Garrick Thorn - Community Representative
Andrew Turner - Deputy Mayor Christchurch City Council
Elizabeth Cunningham - Councillor Environment Canterbury
Manaia Cunningham - Te Runanga o Koukourarata
Benita Wakefield - Te Runanga o Wairewa
Pere Tainui - Te Runanga o Onuku

In Attendance: Pam Richardson (Banks Peninsula Community Board Chair), Steve Lowndes (ECan Chair), Mark Malcolm and John Benn (DOC); and ECan staff members Karen Banwell, Sarah Helleur, and Brad Baxter

19 February 2019

Committee Advisor
Liz Ryley
Tel: 941 8153
Christchurch City Council

Principal Advisor
Peter Kingsbury
Principal Advisor Natural Resources
Tel: 941 8487
Christchurch City Council

Zone Facilitator
Olivia Smith
Zone Facilitator
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www.ecan.govt.nz/news-and-notice/minutes/Pages/Default.aspx

At 4.00 pm Manaia Cunningham opened the informal gathering with a Karakia/Timatanga. A site visit was undertaken to the nearby boatshed.

The agenda was dealt with in the following order.

The newly appointed Zone Committee members, Ben Manson, Elizabeth Macpherson and Rima Herber, were warmly welcomed to the Committee, along with other attendees.

7. Election of Acting Chairperson

Under the Terms of Reference, each year the Committee is required to appoint a Chair and Deputy Chair from the membership. This appointment process will be undertaken at the March meeting. In the meantime, an Acting Chairperson is required to be elected for this meeting.

Committee Resolved BPZC/2019/00001

It was resolved that Paula Smith be appointed Acting Chairperson of the Banks Peninsula Water Management Zone Committee meeting on 19 February 2019.

Elizabeth Cunningham/Andrew Turner

Carried

1. Apologies

Committee Resolved BPZC/2019/00002

That an apology from June Swindells be accepted.

Paula Smith/Elizabeth Cunningham

Carried

2. Confirmation of Previous Minutes

Committee Resolved BPZC/2019/00003

That the minutes of the Banks Peninsula Water Management Zone Committee meeting held on Tuesday, 20 November 2018 be confirmed.

Paula Smith/Elizabeth Cunningham

Carried

3. Matters Arising from the Minutes

Nil.

4. Deputations by Appointment

There were no deputations by appointment.

5. Identification of Urgent Items

Nil.

6. Identification of General Public Contributions

Nil.

Note: Item 7 was dealt with at the start of the meeting.

8. Whakaraupō Community Advisory Group

Committee Comment

1. Karen Banwell, ECan spoke to her report on a partnership to develop and implement the Whakaraupō Catchment Management Plan. She referred members to the City Nature Challenge website and competition: <http://citynaturechallenge.org/>. Members were encouraged to contact Karen if they had ideas for a potential event for the City Nature Challenge.

Committee Resolved BPZC/2019/00004

The Banks Peninsula Water Management Zone Committee:

1. Appoint Gina Waibl as the Zone Committee representative to the Whakaraupō Community Advisory Group.
2. Discussed opportunities to host a Nature City Event in the Whakaraupō catchment in April 2019.

Paula Smith/Manaia Cunningham

Carried

9. Okains Bay Drainage Issues

Committee Comment

1. Pam Richardson was invited to speak to the report and informed the Committee that several of the culverts identified during the visit are now to be replaced. Discussion was held about opportunities for the Zone Committee in relation to drainage issues at Okains Bay. For clarification purposes, a query will be made to the Christchurch City Council's Waterways Ecologists in relation to the habitat of mudfish. An area of willows possibly on Christchurch City Council land was discussed and members agreed that further information should be sought in relation to this. Clarification of the land ownership and its management are required.

Committee Resolved BPZC/2019/00005

That the Banks Peninsula Water Management Zone Committee:

1. Receive the information in the Okains Bay Drainage Issues report.
2. Request information from the Christchurch City Council on:
 - a. clarification of the land ownership and management of a parcel of land identified in the map on page 24 of the agenda;
 - b. the period that the targeted rate for drainage at Okains Bay applied;
 - c. an account of income and expenditure for that targeted rate, and any resulting unexpended balance;

- d. what the rate is or was spent on, or is proposed to be spent on, and if there is currently a targeted rate;
3. Report the information received from the Christchurch City Council on the targeted drainage rate back to the Banks Peninsula Water Management Zone Committee.

Andrew Turner/Paula Smith

Carried

10. Banks Peninsula Zone Committee - Annual Report

Committee Comment

1. Lengthy discussion was held about the content of the Annual Report, resulting in amendments suggested by members to the content. The report will be amended and recirculated to members.
2. Suggestions on how to increase community awareness about the Committee's work included profiling some of the Annual Report stories in the Akaroa Mail, presenting the report to the Community Board, and sharing the report on social media, particularly with community Facebook pages.

Committee Resolved BPZC/2019/00006

That the Banks Peninsula Water Management Zone Committee:

1. Approve the Banks Peninsula Zone Committee Annual Report 2018, as attached, subject to amendments as agreed at this meeting.
2. Note that the Annual Report will be presented by the Zone Committee (Acting) Chair to Environment Canterbury on 14 March 2019 and Christchurch City Council on 28 March 2019.
3. Suggest ideas about how the Annual Report could be used to increase community awareness about the Zone Committee's work.

Elizabeth Cunningham/Paula Smith

Carried

11. Banks Peninsula Zone Committee - Quarterly Update

Committee Comment

1. Gillian Jenkins highlighted particular areas of her Quarterly Update, and advised that more detail would become available. She advised that Shelley Washington will provide the Committee with an update on the roadside cutting project at its next meeting. Brad Baxter will run a Farm Environment Plan (FEP) workshop on 4 March, and provide an update to the Committee in April about the Wairewa bank stabilisation work. Posters for the FEP workshop will be forwarded to members for distribution, as well as advertising in the Akaroa Mail and email distribution of information. At this time 50 farmers have taken up FEPs. Mahinga Kai and biodiversity are included in the FEPs.
2. To assist the Committee, staff will check and provide the definition between a farm and a lifestyle block.

3. Gillian introduced Sarah Helleur to the Committee, newly appointed to Environment Canterbury as the Resource Management Officer for Forestry.
4. Minor typographical corrections will be made to the document.
5. An additional column was suggested to be able to number each point, for easier reference.

Committee Resolved BPZC/2019/00007

That the Banks Peninsula Water Management Zone Committee:

1. Receive the information in the Quarterly Update report.
2. Provide advice that the reporting frequency should be quarterly.

Paula Smith/Andrew Turner

Carried

12. Facilitator's Update - February 2019

Committee Comment

1. Olivia thanked members for their support at the Little River A&P Show, particular Benita for her organisation.
2. Gina will report to the next meeting about Beef and Lamb New Zealand's Farm Trees and Carbon Workshop being held in Amberley. Information is available at the link:
<https://beeflambnz.com/events/blnz-farms-trees-and-carbon-workshop-amberley>

Committee Resolved BPZC/2019/00008

That the Banks Peninsula Water Management Zone Committee:

1. Accept the resignation of Fiona Nicol from the Banks Peninsula Water Management Zone Committee and thank Fiona for her contribution.
2. Encourage landowners to attend the Farm Environment Plan Workshop at Okains Bay on 4 March 2019.
3. Provide feedback on the proposed Zone Committee work programme for the next three months.

Paula Smith/Manaia Cunningham

Carried

Garrick Thorn departed at 8.08pm.

Peter Kingsbury provided the Committee with an update on various matters, including roadside cutting trials and draft information cards that are being worked on.

John Benn, DOC, reported on a wilding conifer control two phased programme being led by the MPI and DOC.

Manaia Cunningham closed the meeting with a Karakia/Whakamutunga.

Brief discussion was held about an earlier start time for the meetings during the winter months.

Meeting concluded at 8.24pm.

CONFIRMED THIS 19TH DAY OF MARCH 2019

PAULA SMITH
ACTING
CHAIRPERSON

7. Zone Committee Election of Chairperson, Deputy Chairperson and Regional Representative

Reference: 19/271051

Presenter(s): Liz Ryley, Committee Advisor
(Timing for item – 10 minutes)

1. Purpose of Report

- 1.1 The purpose of this report is to outline the roles of the Committee Chair, Deputy Chair and Regional Committee Representative of the Banks Peninsula Water Management Zone Committee.
- 1.2 The Committee shall appoint the Chair and Deputy Chair from the membership by simple majority. Nominations will be sought for these positions, as well as for the position of Regional Committee Representative.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Committee:

1. Elect:
 - XXX as Chairperson for 2019
 - XXX as Deputy Chairperson for 2019
 - XXX as Regional Representative for 2019.

3. Report

3.1 Chair and Deputy Chair

The role of the Chair is to:

- chair Zone Committee meetings;
- liaise with the facilitator on Zone Committee work planning;
- speak on behalf of the Committee and act as an advocate for it, including taking the primary responsibility for interaction with the media and representing the Committee at meetings with external parties.

The role of the Deputy is to fill the above roles when the Chair is absent.

3.2 Regional Committee Representative

The role of the Regional Committee Representative is to represent the Banks Peninsula Zone Committee at and contribute to the working of, the Regional Committee. The Regional Committee provides a regional perspective on the Canterbury Water Management Strategy and meets four times a year, progressing work through its working groups (e.g. Biodiversity, Infrastructure).

The Banks Peninsula Regional Committee Representative is expected to report to the Regional Committee on matters raised by the Banks Peninsula Zone Committee which are likely to be of regional interest/significance. The representative is also expected to update the Banks Peninsula Zone Committee on the activities and deliberations of the Regional Committee.

Attachments

There are no attachments to this report.

8. Whakaraupō Roadside Cutting Project Update

Reference: 19/271289

Shelley Washington (Ecan Land Management Advisor)

Shelley McMurtrie (Principal Aquatic Ecology Scientist at EOS Ecology)

Presenter(s): Peter Kingsbury (Zone Committee/CCC Principal Advisor- Natural Resources)
(Timing for item – 45 minutes)

1. Purpose of Report

- 1.1 The purpose of this report is for the Banks Peninsula Water Management Zone Committee to be updated on the Whakaraupō Roadside Cutting Project.
- 1.2 This agenda item relates to Action 16 in the Zone Committee 3-Year Action Plan - '*Complete the Whakaraupō Road Cutting Trial by 2021 to determine effective erosion control techniques*'. This action will help achieve the erosion and sediment outcome in the Zone Implementation Programme (ZIP).

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Committee:

1. *Receive the Whakaraupō Roadside Cutting Project update.*

3. Report

- 3.1 The Banks Peninsula Zone has short, steep catchments with loess soils which are prone to erosion. Many of the roadside cuttings on the Banks Peninsula roading network have exposed loess and are an ongoing source of sediment (refer to Figure 1 below).
- 3.2 Sediment from road side cuttings (and landslips and stream bank erosion) negatively impacts water quality, Mahinga Kai and Kia moana on Banks Peninsula. Sediment in streams and the coastal environment is natural, but if sediment levels get too high, it can disrupt ecosystems and harm aquatic species. Excess sediments can cause damage by blocking light that allows algae (an important food source) to grow, harm fish gills, smother important habitat, and reduce instream visibility for aquatic species.
- 3.3 Reducing sediment discharges into waterways, is a priority outcome identified in the ZIP. To assist with achieving this outcome, the Zone Committee recommended that Christchurch City Council (CCC) and Environment Canterbury (ECan) establish a project to trial different revegetation techniques to reduce erosion on roadside cuttings. The aim of the project is to develop some useful guidance to inform how CCC could design and manage existing road-side cuttings to reduce sediment loss.
- 3.4 Ecan and CCC have contracted EOS Ecology to deliver the project, with guidance from a Project Steering Group. The Project Steering Group includes a Zone Committee representative, Paula Smith.
- 3.5 Two reports have been completed by EOS Ecology for CCC and ECan. The first report, completed in 2016 provided background information on the nature of the sediment issue and the identification of potential trial sites. A second report was completed in November 2018

and details design, maintenance and monitoring matters for four potential trial sites. In February 2019 CCC and ECan received costing details from EOS Ecology for establishing and monitoring two of the four trial sites.

- 3.6 Shelley Washington (ECan Land Management Advisor), Shelley McMurtrie (Principal Aquatic Ecology Scientist at EOS Ecology) and Peter Kingsbury (Zone Committee and CCC Principal Advisor- Natural Resources) will attend the Zone Committee meeting to provide a detailed update on the project and answer any questions.
- 3.1 The Committee has previously received updates on this project at committee meetings and via email. A copy of the recent report 'Erosion and Sediment Control Lyttelton Harbour/Whakaraupō Roadside Cuttings: Stage 2 trail design development' is available on the ECan website document library <https://www.ecan.govt.nz/data/document-library/?Search=Whakaraupo> .

Figure 1:



Attachments

There are no attachments to this report.

9. Monitoring Using Mātauranga

Reference: 19/271728

Presenter(s): Tim Davie, Ecan Chief Scientist
(Timing for item – 30 minutes)

1. Purpose of Report

- 1.1 The purpose of this report is for the Banks Peninsula Water Management Zone Committee to be informed about the proposed monitoring using mātauranga Māori and additional monitoring of use in understanding mahinga kai trends.
- 1.2 This agenda item relates to Action 2 in the Zone Committee 3-year Action Plan- 'Mahinga kai is used as an indicator to help monitor the health of Banks Peninsula waterways'.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Committee:

1. Accepts the information paper on Monitoring Using Mātauranga in response to Action 2 in the Zone Committee's 3-Year Action Plan.

3. Monitoring Using Mātauranga

- 3.1 The National Policy Statement for Freshwater Management (NPS-FM, 2017) stipulates that mātauranga Māori is to be used to report on outcomes set out in freshwater management plans. In Canterbury there are policies and objectives around mahinga kai that naturally lend themselves to monitoring using mātauranga but the NPS-FM does not restrict to only mahinga kai.
- 3.2 Environment Canterbury (Ecan) is currently working with Gail Tipa to develop a framework for monitoring using mātauranga; this work is being led within Ecan by Graeme Clarke (Team Leader, Water Quality Science). Gail Tipa is contracted to develop a framework for monitoring freshwater outcomes using mātauranga that will be carried out by rūnanga. This framework will be trialled with Waihao and Arowhenua Rūnanga before being rolled out to other rūnanga in Canterbury. The timeline for this work is to be completed within the 2019 calendar year.

4. Additional Monitoring for Mahinga Kai

- 4.1 The water quality team at Ecan is currently working on adding extra parameters to their monitoring programme that will inform mahinga kai monitoring. This adds extra observations to be taken at sites monthly and added to the ecology database held at Ecan. The type of observations are:
 - Native birdlife observed;
 - Fish observed;
 - Aquatic plant types observed (e.g. puha).
- 4.2 It is worth noting that the water quality team already make observations on the state of sites (e.g. riparian cover, water colour/turbidity; anything "out of the ordinary"). The purpose of this additional monitoring is to add extra information of value to monitoring of mahinga kai; it is not intended as the only monitoring of mahinga kai as the mātauranga work (outlined above) is likely to add a lot more. The additional monitoring will be trialled on Banks Peninsula before being rolled out across all of Canterbury.

- 4.3 The timeline is to start this monitoring in the new financial year (i.e. July 2019). At the moment the water quality team is working to adapt the electronic field capture tools to collect the information and the database to accept it.

Attachments

There are no attachments to this report.

11. Zone Committee Communications

Reference: 19/271935

Tania Butterfield (Communications Advisor)

Presenter(s): Olivia Smith (Zone Facilitator)
(Timing for item – 25 minutes)

1. Purpose of Report

- 1.1 The purpose of this report is for the Banks Peninsula Water Management Zone Committee to provide feedback to staff on the Draft Six-Month Communications Plan and a proposed Zone Committee field trip.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Committee provide feedback on:

1. the Draft Six-Month Communications Plan;
2. a proposed Zone Committee field trip.

3. Draft Zone Communication Plan

- 3.1 The Zone Committee's 3-year Action Plan states that the Zone Committee will develop and implement a six-monthly communications plan (Action 26).
- 3.2 The goal of the communications plan is to facilitate opportunities for Zone Committee members to:
 - highlight the work, activities and priorities of the Committee;
 - engage with members of the public around topical issues;
 - identify issues of concern to the public and how the Committee might assist in addressing/resolving these issues.
- 3.3 A Draft Communications Plan for March-August 2019, is attached to this paper. It is intended that the plan will be implemented with support from Communications staff at Environment Canterbury and Christchurch City Council.

4. Zone Committee Field Trip

- 4.1 Alison Evans (Okuti River Project Co-ordinator) has kindly invited the Zone Committee to visit the Okuti River to discuss progress with the community project which the Committee help fund through the IMS Biodiversity Fund. On the same field trip, the Committee could also include a visit a site to view earthworks/progress on the Wairewa Bank Stabilisation Project.
- 4.2 The Zone Committee are asked to provide feedback on the following:
 - **Are you interested in doing the field trip in April?**
 - **Do you want to make the field trip open to the public? If so, how do you want to advertise?**
 - **Any additional suggestions to ensure the field trip is a useful and interesting?**

5. Nature City 2019

- 5.1 At the February Zone Committee meeting, Karen Banwell (Whakaraupō Programme Manager) and Olivia Smith (Facilitator) discussed an opportunity for the Zone Committee to be part of the Nature City 2019 Challenge, 26–29th April.
- 5.2 The City Nature Challenge is a global event where cities around the world enter a friendly competition to see which can get the most observations of wild species. This year 162 cities have entered in the event and Christchurch has been nominated to represent New Zealand.
- 5.3 The event is focused on engaging the public in exploring nature and increasing biodiversity knowledge. Christchurch City Council are taking a lead role in coordinating nature activities, for all ages and experiences, in and around Christchurch and Banks Peninsula.
- 5.4 Zone Committee members, Garrick Thorn and Elizabeth Macpherson, have both provided useful ideas for possible activities. These include an event on Quail Island and integrating activities into school holiday programmes. Karen Banwell is now seeking further input from residents' associations and will work with Councils over the coming weeks to confirm the activities in the Whakaraupō catchment. Zone Committee members will be kept up to date on progress.

Attachments

| No. | Title | Page |
|---------------------|---------------------------|------|
| A ↓ | Draft Communications Plan | 25 |

| ZONE COMMITTEE COMMUNICATIONS WORK PLAN (March-August 2019) | | | | |
|--|--|---|--|---|
| Timeframe | Communication Priorities (as identified in Action Plan) | Target Audience | Outcome | Tactics/Communication Channels |
| March/April | Profile zone committee role and new membership. | Banks Peninsula Community | Increase community awareness of the role of the zone committee and its membership. By improving the awareness/visibility of the committee it is hoped that more community members will engage with the committee and raise issues etc with members. | <ul style="list-style-type: none"> • Presentation of Annual report to Banks Peninsula Community Board. • Advert Feature in local papers drawing on some content from the 2018 Annual Report. Use the advert feature to introduce new zone committee members. Print feature in Akaroa Mail and Bay Harbour News and approach smaller community papers. |
| April/May | Support and promote freshwater education programmes and community led projects (Action 27) | Little River community members | Help build the profile of the Okuti River Community Group. This may assist with the group with getting ongoing support from the community (e.g. new members, funding opportunities). Comms will also increase community awareness about the availability of the IMS Biodiversity Fund. | <ul style="list-style-type: none"> • Do a fieldtrip to visit progress on Okuti River Project and extend invite to public (target Little River landowners). Advertise invite in local papers etc. Could potentially invite local media to attend and do a local feature. • Following the fieldtrip, ZC members to post and share images on social media through Banks Peninsula community networks. |
| June/July | Ki Uta Ki Tai showcase example (Action 4) | Banks Peninsula Community | Increase community awareness of the concept of Ki Uta Ki Tai and profile the collective action of a motivated community to improve freshwater and biodiversity. | <ul style="list-style-type: none"> • Develop a 'Story Feature' with input from local landowners and rūnanga. The story will tell the story of a catchment Ki Uta Ki Tai and include social, cultural, environmental and economic aspects. The story could be published as a two-page feature in local papers and launched on the Spark digital platform (which can include photos and videos). Links to this platform can then be shared via social media. |
| August | Sediment (Action 9) | Landowners on the valley floor in Little River. | Ensure that all landowners in the Little River valley floor are aware of the requirement to exclude stock from waterways by 2020. | <ul style="list-style-type: none"> • Land Management Advisor to undertake direct communication with landowners and provide advice as required. This will likely include targeted one on one farm visits. |

Communication Priorities for September- February 2020 could include: State of our Waterways (Action 7), Mahinga kai (Action 3), Water Efficiency (Action 10).

12. Facilitator's Update - 19 March 2019

Reference: 19/273875

Presenter(s): Olivia Smith, Zone Facilitator
(Timing for item – 20 minutes)

1. Purpose of Report

1.1 The purpose of this report is to inform the Banks Peninsula Water Management Zone Committee of:

1.1.1 Events, updates and actions from previous meetings.

2. Staff Recommendations

That the Banks Peninsula Water Management Zone Committee:

1. Note the Facilitator's update.
2. Receive the verbal update from Gina Waibl on the Emissions Trading Scheme and One Billion Trees Fund workshop.

3. Report

1. RECENT EVENTS

| Event | Update |
|--|------------------------|
| Beef and Lamb Farm Environment Plan Workshop 4 th March 10am-3pm Okains Bay Museum | Attended by 20 farmers |

2. UPCOMING EVENTS

| Event | Comments & Target Audience |
|--|---|
| Facing extinction: what are you gonna do? 21 March 7:00 pm - 8:30 pm 59 Gloucester St | Public. Representatives from the newly-formed climate change action group Extinction Rebellion will talk on why strong action is needed now, and what those actions need to be. |
| Peak Meat – A Game Changer for Food Production, The Environment & Health 28 March at 6:30 pm - 9:00 pm Lincoln University, Stewart Building, Lecture Theatre One \$5 | Public Join Kim Hill and panellists in a stimulating discussion about the impact of the intensive production of meat and milk on greenhouse gases, water pollution and soil degradation. |

| | |
|--|---|
| Zone Committee Annual Report presented to Christchurch City Council 28th March, Ecan Council on 11th April or May | Zone Committee Chair to attend. |
| City Nature Events 26th – 29th April | Banks Peninsula events to be confirmed. |

3. OTHER UPDATES

Farm Trees and Carbon Workshops

Beef and Lamb NZ are running a series of workshops throughout NZ which focus on the opportunities available to farmers to generate a return from the Emissions Trading Scheme (ETS), the One Billion Trees fund, and localised tree-planting or land-retirement funding programmes. Gina Waibl will provide a verbal update on the workshop which she attended in December 2018.

Wastewater Updates

- Lyttelton Wastewater Project:
 - All under harbour pipelines are complete.
 - All land-based pipelines in Lyttelton are complete.
 - The last work package for piping from the tunnel to the Alport Place pump station off Ferry Road will begin.
 - Commissioning of Governors Bay pump station has commenced.
 - Project completion is planned for March 2020.
- Akaroa Wastewater and Duvauchelle wastewater: The next round of public consultation will commence in April 2019.

Canterbury Water Management Strategy (CWMS)- Fit for Future Project

The CWMS Fit for Future Project, led by the Canterbury Mayoral Forum, is currently underway to establish some 2025 and 2030 targets for the CWMS. In 2018, feedback was sought from the Regional Committee, Zone Committees and stakeholders on the draft targets and associated work programmes. Advice on the 2025 and 2030 targets is expected to go to the Mayoral Forum on the 24th May. This report will also include advice on strategic issues including: leadership and accountability; resourcing and funding for the ambitious work programme; monitoring, reporting and review of progress; building understanding and support for the CWMS. The Zone Committee will be updated on this project via the Committee's Regional Committee representative and staff.

4. UPDATE ON ZONE COMMITTEE ACTION PLAN IMPLEMENTATION

Listed below are the key actions from the 3-year Action Plan that have progressed or reported on this month.

| ACTION | UPDATE |
|---------------|---|
| Action 16 | Update from EOS Ecology and Council staff on the Whakaraupō Roadside Cutting Project. |
| Action 2 | Paper from Tim Davie (Ecan Scientist) in response to zone committee request that Mahinga Kai be used as an indicator to help monitor the health of Banks Peninsula waterways. |

| | |
|-----------|--|
| Action 25 | CCC staff respond to questions raised at the February meeting regarding Okains Bay drainage matters. |
| Action 27 | Feedback sought from zone committee on possible fieldtrip to the Okuti River Community Project. |

5. ZONE COMMITTEE RECOMMENDATIONS

Refer to the attached table for an update on recommendations from previous meetings.

Attachments

| No. | Title | Page |
|---------------------|--|-------------|
| A ↓ | Zone Committee - Action Tracker at 14 March 2019 | 30 |

| Committee | Status | Meeting Date | Report Title / Agenda Section | Resolution / Decision | Action Notes |
|---|------------|--------------|---|--|---|
| Banks Peninsula Water Management Zone Joint Committee | In process | 16/10/2018 | Banks Peninsula Stream Labelling Project | That the Banks Peninsula Water Management Zone Joint Committee agree to: 1. Write to the Chair of the Christchurch City Council's Infrastructure, Transport and Environment Committee, copying in Deputy Mayor Turner as the Council's representative, to ask for the streams named in the report to be labelled. 2. Direct staff to work with members of the Council's Te Hononga Committee to ensure that: (a) macrons are used; (b) the correct Maori names are used. | 13 Mar 2019 - A response from the ITE Committee will be forwarded to the Zone Committee. 14 Nov 2018 - 11 November 2018 - ZC Chair sent letter to ITE Committee (refer to correspondence in 20 November agenda). Currently awaiting a reply from ITE Committee |
| Banks Peninsula Water Management Zone Joint Committee | In process | 19/02/2019 | Okains Bay Drainage Issues | That the Banks Peninsula Water Management Zone Committee: 1. Receive the information in the Okains Bay Drainage Issues report. 2. Request information from the Christchurch City Council on: a. clarification of the land ownership and management of a parcel of land identified in the map on page 24 of the agenda; b. the period that the targeted rate for drainage at Okains Bay applied; c. an account of income and expenditure for that targeted rate, and any resulting unexpended balance; d. what the rate is or was spent on, or is proposed to be spent on, and if there is currently a targeted rate; 3. Report the information received from the Christchurch City Council on the targeted drainage rate back to the Banks Peninsula Water Management Zone Committee. | 13 Mar 2019 - A verbal update will be provided by Zone Principal Advisor to the 19 March meeting. |
| Banks Peninsula Water Management Zone Joint Committee | In process | 20/11/2018 | Assessing Mahinga Kai as Part of Our State of the Takiwā Monitoring | That the Banks Peninsula Water Management Zone Joint Committee: 1. Receive the presentation by Benita Wakefield, who stressed that mahinga kai needs to be part of the main stream, and considered in everything we do; 2. Reconsider this report at the Committee's next meeting | 13 March 2019- Paper included in March meeting agenda. |
| Banks Peninsula Water Management Zone Joint Committee | Complete | 19/02/2019 | Whakaraupō Community Advisory Group | The Banks Peninsula Water Management Zone Committee: 1. Appoint Gina Waibl as the Zone Committee representative to the Whakaraupō Community Advisory Group. 2. Discussed opportunities to host a Nature City Event in the Whakaraupō catchment in April 2019. | 13 Mar 2019 - Completed. Gina Waibl was appointed to the Whakaraupo Community Advisory Group |
| Banks Peninsula Water Management Zone Joint Committee | Complete | 19/02/2019 | Banks Peninsula Zone Committee - Annual Report | That the Banks Peninsula Water Management Zone Committee: 1. Approve the Banks Peninsula Zone Committee Annual Report 2018, as attached, subject to amendments as agreed at this meeting. 2. Note that the Annual Report will be presented by the Zone Committee (Acting) Chair to Environment Canterbury on 14 March 2019 and Christchurch City Council on 28 March 2019. 3. Suggest ideas about how the Annual Report could be used to increase community awareness about the Zone Committee's work. | 13 Mar 2019 - 1. Amendments to Annual Report completed. 2. Annual Report scheduled to be presented to CCC on 28 March and ECan in April/May. 3. An advert feature will be printed in the Akaroa Mail and Bay Harbour News. |