

Memo

Date	4 July 2019
To	Andrew Parrish
CC	Lochiel McKellar
From	Lyn Carmichael

Subject: Register of Consultation for the OTOP Healthy Catchments Project

Introduction

As part of The Healthy Catchments Project, the Orari-Temuka-Opihi-Pareora (OTOP) Zone Committee developed a Zone Implementation Programme Addendum, comprising a package of statutory and non-statutory recommendations for managing freshwater in the OTOP zone. This package of solutions for freshwater has informed Part B of Plan Change 7, an OTOP sub-regional section for inclusion in the Land and Water Regional Plan (LWRP) and provides guidance for on the ground actions to occur on the OTOP zone.

Gaining local knowledge and expertise was a key part of the Zone Committee process in understanding community issues and aspirations for water management within the OTOP zone. Engaging the OTOP community in the process helped identify solutions to deliver outcomes and sought to ensure that as actions occur on the ground, the community will have a level of ownership and understanding as to why such decisions are made and how they contribute to fresh water outcomes.

The Collaborative Community Process

Provision of clear, easily understood information early in the Healthy Catchments Project was important to allow members of the community time to understand the process and be prepared for further engagement activities. In early to mid-2016 the Zone Committee set Community Outcomes in consultation with Catchment Groups and held public meetings to inform the wider community about the project, the timelines for the project and the opportunities to be involved.

This process was then informed by the analysis of the current state of freshwater in the zone and a series of land use scenarios to determine the likely environmental, cultural, economic and social impacts of adopting these pathways on water quality and quantity in the OTOP zone and the community outcomes sought. The first draft ZIPA was released for community review in late 2017 and a final ZIPA was completed by December 2018. The community was encouraged at each stage to be involved in assessing the acceptability of current state, alternative scenarios and draft solutions and to contribute further solutions to deliver the outcomes sought.

The input received during each phase of consultation has provided direction on the provisions included in Plan Change 7 Part B and guidance on the non-statutory actions to occur in the catchments.

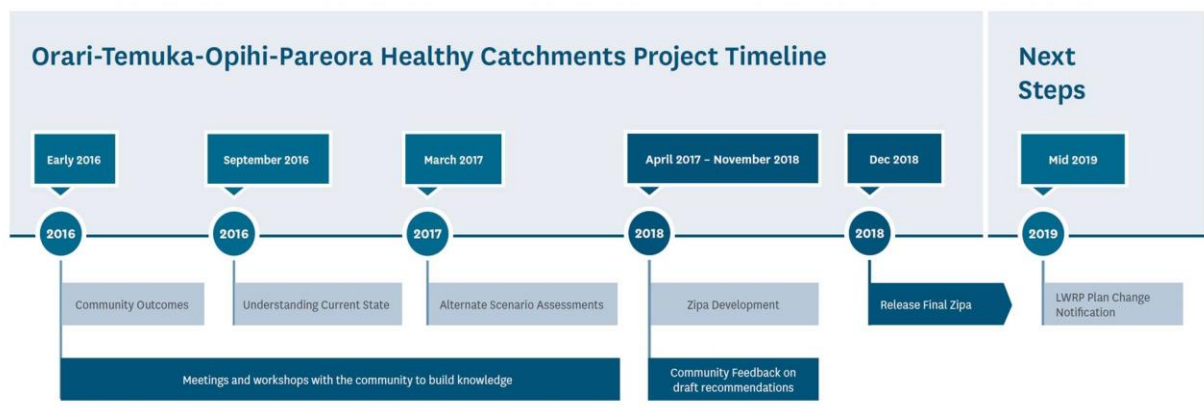


Figure 1 Timeline of the Community Process to develop the ZIPA and Plan Change

Key Parties involved in the Collaborative Process

Te Rūnanga o Ngai Tahu

The Healthy Catchments Project is in the takiwā of Te Rūnanga o Arowhenua and Te Rūnanga o Waihao. Cultural beliefs, values and practices that underpin the interactions of mana whenua with the catchments in their takiwā include mauri, kaitiakitanga, whakapapa, rangatiratanga, manaakitanga, mahinga kai and the philosophy of ki uta ki tai - a mountains to the sea approach to looking after water resources. Consistent with the philosophy of managing ki uta ki tai, there is a clear understanding that all parts of the catchments within the zone were traditionally valued and used, and that all values of importance to iwi and hapū needed to be represented in the assessments and recommendations developed as part of the Healthy Catchments Project.

Hui with Zone Committee Rūnanga representatives were held before most Zone committee Meetings and workshops and additional hui were held with rūnanga representatives and their advisors to support rūnanga during each of the feedback processes. Rūnanga representatives presented at each of the public meetings held for the current state and scenario assessments and have further supported Zone Committee and community understanding of values of importance to iwi by hosting field trips and hui during the project.

Catchment Groups

NZ Landcare Trust worked with the Zone Committee to establish eight catchment groups across the zone and led their coordination and facilitation with a grant from the Sustainable Farming Fund and support from industry. The broad objectives of the catchment groups are to encourage environmental stewardship, to support and sustain resilient catchments, and to

work towards a positive future for those that work and play here. Membership of catchment groups covers a wide range of interests, including recreation, agriculture and the environment. Catchment groups worked with the Zone Committee to define the key issues and provide recommendations for each of their catchments.

Farmers Reference Group

A Farmers' Reference Group was established in mid-2017 to support Zone Committee solution seeking on options to reduce contaminant losses on farm. The Group had a membership of lead farmers, zone committee members and industry representatives, including Beef and Lamb, DairyNZ, FAR, and Ravensdown. It provided robust investigation into the costs and benefits of mitigations to further reduce nitrogen losses, beyond those expected from the adoption of Good Management Practice and presented their findings to the Zone Committee. DairyNZ provided technical input and modelling expertise that was invaluable in developing and testing possible mitigations. The group has provided valuable information that has contributed to the economic assessments and recommendations and that will continue to be used in future decision-making.

Temuka Catchment Working Party

The Temuka Catchment Working Party was established by irrigator representatives and endorsed by the Zone Committee and its membership included affected consent holders, Zone Committee members, Central South Island Fish and Game and Timaru District Council. The working party developed flow and allocation recommendations for the Temuka FMU.

Opihi Flow and Allocation Working Party

A Flow and Allocation Working Party was endorsed by the Zone Committee and established by Opuha Water Limited for further targeted engagement with affected consent holders. The Working Party focused on the main tributaries of the Opihi River, being the North Opuha, South Opuha, Upper Opihi and Te Ana Wai rivers. The Working Party membership was comprised of two irrigator representatives from each of the four main tributaries, Zone Committee members, Central South Island Fish and Game and Timaru District Council, with coordination and technical advisory support from Opuha Water Limited.

Adaptive Management Working Group

The Adaptive Management Working Group was initiated by Opuha Water Limited in late 2016 to develop and propose an adaptive river management regime for the Opihi River mainstem. Membership of the AMWG comprised representation from CSI Fish and Game, Department of Conservation, Timaru District Council, Opuha Water Ltd, NIWA, and de Joux Consulting Ltd. Technical assistance was also provided by Aqualinc and Graeme Horrell Consulting. The Committee received several presentations from the AMWG and the final proposal for the adaptive regime was provided to the committee in late 2018. Engagement with the AMWG continued throughout drafting of the plan change.

Register of Consultation

This Register of Consultation is based on consultation with the general public and stakeholders that related to the OTOP Healthy Catchments Project from 2016 onwards. This consultation is in addition to the Zone Committee meetings and workshops held throughout 2016-2018.

Date, Location and Type of Meeting	Presenter and Attendees	Topic
3 February 2016 Geraldine Wahi, Temuka and Kakau joint Catchment Group	Alice Spencer presented. Attended by Zone Committee and Catchment group members	What the Healthy Catchments Project is, why Ecan are doing it, who is involved, when it will be delivered, how it will be delivered, and how catchment groups can get involved.
15 February 2016 Albury Tengawai Catchment Group	Alice Spencer presented. Attended by Zone Committee and Catchment group members	What the Healthy Catchments Project is, why Ecan are doing it, who is involved, when it will be delivered, how it will be delivered, and how catchment groups can get involved.
16 February 2016 Geraldine Orari Catchment Group	Alice Spencer and Lyn Carmichael presented. Attended by Zone Committee and Catchment group members	What the Healthy Catchments Project is, why Ecan are doing it, who is involved, when it will be delivered, how it will be delivered, and how catchment groups can get involved. Presentation was somewhat overshadowed by PC5 being notified and the implications this would have locally, so much of the discussion was around that and formulating a submission as a group for PC5.
17 February 2016 Pleasant Point Upper and Lower Opihi Catchment Groups	Alice Spencer and Lyn Carmichael presented. Attended by Zone Committee and Catchment group members	What the Healthy Catchments Project is, why Ecan are doing it, who is involved, when it will be delivered, how it will be delivered, and how catchment groups can get involved.

7 March 2016 Pleasant Point Zone Committee	Lyn Carmichael presented.	Presentation was about engaging the community and whether this should be done via an early June workshop ahead of current state workshop in August, or via a newsletter – or both. It was agreed both, with dates and locations to be set at the next core team. Presentation also discussed the positives and negatives of various engagement techniques.
Multiple dates and locations throughout March-April – all OTOP catchment groups	Zone Committee members presenting to Catchment Groups.	Zone Committee members attended all catchment group meetings to receive feedback on the draft community outcomes. These were consolidated, and the community outcomes amended to reflect these discussions.
13 April 2016 Fairlie Opuha Catchment Group	Lyn Carmichael presented Mark Webb (ZC) also attended and gained feedback from the group about Community Outcomes, with changes noted.	What the Healthy Catchments Project is, why Ecan are doing it, who is involved, when it will be delivered, how it will be delivered, and how catchment groups can get involved. Mark Webb (ZC) also attended and gained feedback from the group about Community Outcomes, with changes noted.
5 May 2016 Arowhenua Marae Rūnanga meeting	Raymond Ford, Lyn Carmichael and Jenna Scott met with Arowhenua Mātaitai Komiti.	An initial hui between Healthy Catchments Project planning staff and members of Te Rūnanga o Arowhenua Mātaitai Komiti. As an initiative from this hui a working group consisting of Mandy Home and John Henry from Te Rūnanga o Arowhenua, Suzanne Eddington from Te Rūnanga o Waihao, Healthy Catchments project staff and a representative from Tuia has been established to hold regular hui to discuss project progress and issues as they arise.
12 May 2016 Blue Mountain Station Meeting with landholders	Upper Orari farmers meeting attended by Lyn Carmichael, Rhys Taylor and Sue Rushton from DairyNZ.	Input from these farmers into the Lower Orari Catchment group was discussed, along with high country specific issues. Healthy Catchment Project was introduced and opportunities for involvement from this group discussed.
15,16 and 22 June 2016 Open Public Meetings	Olivia Smith, Dan Clark, Lyn Carmichael, Brett Painter and Mike Hide presented at meetings held in Geraldine, Fairlie and Timaru	Introduction to the Project, scope, process and timelines.
27 June 2016 Rūnanga hui	Lyn Carmichael, Peter Ramsden, Duncan Gray and Jenna Scott met with John Henry, Mandy Home and Suzanne Eddington	Working group hui to discuss the project requirements, process and issues

1 August 2016 Rūnanga hui	Lyn Carmichael, Raymond, Dan Clark, Olivia Smith, Peter Ramsden, and Jenna Scott met with John Henry, Mandy Home and Suzanne Eddington	Working group hui to discuss the project requirements, process and issues
2 August 2016 Opuha Water Meeting	Dan Clark, Lyn Carmichael and Brett Painter attended Opuha Water Board Meeting	Brett presented infrastructure project work and discussed ongoing modelling to support understanding for Opuha Water. Dan outlined scenario assessments and discussed scope of new water investigations.
2 August 2016. Combined Catchment Group meeting in Geraldine	Brett Painter and Lyn Carmichael attended	Brett presented infrastructure project work and discussed possible implications for reliability for stream depleting consents.
17 August 2016 Hui with Mandy Home Arowhenua	Mandy Home, Lyn Carmichael, Dan Clark, Jenna Scott and Julia Fettes	Hui to talk about rūnanga input to storymaps and to current state reports and presentations
22 August 2016 Catchment Group Rep Briefing	Dan Clark and Lyn Carmichael presented	Briefing to bring Catchment Group reps up to date with the information on current state provided to zone committee at August zone committee meeting. They were also provided brief summary of planned scenarios
5 September 2016 Rūnanga hui before ZC workshop for current state	John Henry, Suzanne Eddington, Lyn Carmichael, Jenna Scott, Raymond Ford, Dan Clark, Barbara Nicholas	Working group hui to discuss the project requirements, process and issues
14,21 and 22 September 2016 Open Public Meetings	Zone Committee led workshops on Current state. Dan Clark, Olivia Smith, Lyn Carmichael, Shirley Hayward, Mandy Home, Karl Russell and John Henry presented	Presentation on the current state reports of water quality and quantity in the catchments. Presentations by Rūnanga representatives on the cultural health of the catchments
12 October 2016	Lyn Carmichael met with Dave Winterburn and Chris Coulter from Department of Conservation	Discussed non-statutory inventory and input from Department of Conservation. Also some linkages between conservation efforts and Healthy Catchments Project.
12 October 2016, Environment Canterbury Office Timaru. Technical hydrology discussion	Dan Clark, Patrick Durney, Frank Scarf, Julian Weir, Mark Flintoft, Bob Bower, Keri Johnston, Richard DeJoux, Tina von Pein	Technical meeting between Environment Canterbury modelling team and local hydrology experts to discuss the modelling assumptions and model structure.

20 th October 2016 Meeting with Opuha Water Limited to begin working on the sub-regional	Tony presented background from Opuha. Meeting attended by Dan Clark, Jason Holland, Lyn Carmichael, Brett Painter, Olivia Smith, Lex Foster-Bohm, Mike Hide, Brian Reeves, Tony McCormick, Julia Crossman, Keitha Laming, Milne Horne	Presentation given by Tony McCormick on operation of Opuha Dam and issues and options for an alternative regime
7 th November 2016 Catchment Group Facilitators Meeting	Lyn Carmichael attended and presented	Briefing to bring Catchment Group reps up to date with the information on current pathways and re-capped in brief on next year's scenarios.
15 th November 2016 Meeting with Opuha Water Limited	Presentation given by Dan Clark, Richard Measures and Brett Painter	Dan presented on scenario modelling, Richard Measures from NIWA presented on river flow and periphyton monitoring. Brett Painter presented an overview of river depletion assessment for December meetings
16 th November 2016 Meeting with Mandy Home	Dan Clark, Lyn Carmichael and Mandy Home	Meeting to discuss rūnanga presentations at upcoming workshops for current pathways.
24 th , 28 th , 30 November 2016 ^h OTOP Healthy Catchment Scenario 1: Current Pathways Public Workshops	Zone Committee led public workshops Dan Clark, Olivia Smith, Raymond Ford, Barbara Nicholas, Mandy Home presented	Presentations and workshop on current pathways scenario, planning overview, questions asked by the public
29 th November 2016 ECan, Opuha Water Limited follow up meeting	Brett Painter answered key questions for OWL. Meeting attended by Dan Clark, Lex Foster-Bohm, Brett Painter, Tony McCormick, Julia Crossman, Jeremy Boys	A follow up meeting for Opuha Water Limited to get clarity and understanding on each of the elements being assessed as part of the modelling for the OTOH Healthy Catchments Project.
29 th November 2016 Meet and greet with Beef and Lamb	Lex Foster-Bohm, Janet Gregory, Helen Risk, Julia Beijeman, Turi McFarlane, Laura Gray	Meeting on key issues and engagement options with Beef and Lamb

13 th Dec 2016 ECan, Opuha Water Limited follow up meeting	Meeting attended by Julia Crossman, Tony McCormick, Dermott O-Sullivan, Milne Horne (OWL); Raymond Ford, Brett Painter, Jason Holland, Dan Clark, Michael Hide, Olivia Smith, (ECan)	OWL to report back on 1) the restriction regime 2) assessment factors that guide decision to move between flow and restriction regimes, in development by the Adaptive Management Advisory Group (AMWG)
25 th January 2017 Hui with Mandy Home	Dan Clark, Lyn Carmichael and Mandy Home	Met to discuss upcoming project requirements and restarting meetings with the rūnanga working group
22 ND Jan 2017 Ecan/ OWL joint meeting	Meeting attended by Tony McCormick, Dermott O'Sullivan, Milne Horne (OWL), Lex Foster-Bohm, Raymond Ford, Brett Painter, Jason Holland, Dan Clark, Michael Hide, Olivia Smith (ECan)	For OWL to report back to ECan on the 'strawman' irrigation restriction regime and the decision process to move between flow regimes, in development by the Adaptive Management Advisory Group (AMWG)
Catchment Group Facilitators Meeting	Meeting attended by Janet Gregory, Nicki Pridham, Marty O'Connor, Angela Darke, Mike Hide, Helen Risk, Angela Harvey, Lex Foster-Bohm	To get a sense of where catchment groups are at and whether they want to continue + catchment group facilitators to provide feedback on ways ECan can provide support to each group.
ECan/ OWL joint meeting (Feb 14 th 2017)	Meeting attended by Julia Crossman, Tony McCormick, Dermott O'Sullivan (OWL), Lex Foster-Bohm, Dan Clark, Olivia Smith (ECan) By phone: Raymond Ford, Brett Painter (ECan)	For OWL to report back to ECan on the draft OEFrag Terms of Reference developed by the Adaptive Management Working Group (AMWG), and to update on a number of other matters.
6 March 2017 OWL Presents to OTOP ZC at public meeting	Julia Crossman, Tony McCormick	Opuha Water Limited presented in public forum at Zone Committee meeting on the AMWG Proposal
6 March 2017 Runanga hui before ZC workshop	Mandy Home, Suzanne Eddington, Lyn Carmichael, Jenna Scott, Raymond Ford, Dan Clark, Julia Forsyth, Gail Tipa (by phone)	Met to discuss ongoing work program including upcoming scenarios, Nga kete work, COMAR flows and Rock Art. Julia attended to facilitate district Planning Involvement.

<p>15 March 2017 ECan/ OWL joint meeting</p>	<p>Meeting attended by Julia Crossman, Tony McCormick, Dermott O'Sullivan, Haidee, Dick de Doux (OWL), Lex Foster-Bohm, Dan Clark, Craig Davison, Shirley Hayward, Peter Constantine (ECan) By skype: Raymond Ford</p>	<p>To discuss the following items:</p> <ul style="list-style-type: none"> • Opihi flow regime modelling assumptions • Q & A – planning • Minimum flows work stream • To report back on the Artificial Fresh regime developed by the AMWG
<p>15 March 2017 B+LNZ Workshop</p>	<p>Dan Clark (presenter), Peter Constantine, Craig Davison Anne Munro (Zone Committee member) Julia Beijeman, Turi McFarlane (B+LNZ), Colin Hurst and Lisa Anderson (South Canterbury farmers (presenters)). Lex Foster-Bohm (ECan) + Julia Beijeman (B+LNZ)</p>	<p>For farmers to hear about the OTOPI sub-regional planning process, encourage them to be involved and understand what support they need from B+LNZ. ECan were invited to give an overview of the Healthy Catchments Project to date, and what's coming up.</p>
<p>20 March 2017 Pleasant Point</p>	<p>Matt Smith, Dan Clark, Peter Constantine, Craig Davison, Brett Painter Zone Committee members</p>	<p>For hydraulically connected groundwater users in the Opihi, Temuka catchments + Levels Plains/ Seadown area to hear about the effects on river flows and what changing the plan methodology could mean for them</p>
<p>22 March 2017 Geraldine</p>	<p>Matt Smith, Dan Clark, Peter Constantine, Craig Davison, Brett Painter Zone Committee members</p>	<p>For hydraulically connected groundwater users in the Opihi, Temuka catchments + Levels Plains/ Seadown area to hear about the effects on river flows and what changing the plan methodology could mean for them</p>
<p>3 April 2017 Runanga hui before zc workshop</p>	<p>Dan Clark, Lyn Carmichael, Mandy Home, Sue Eddington and Raymond Ford</p>	<p>Met to go over COMAR and minimum flow presentations before these presentations were given to zone committee</p>

20 April 2017 Ecan / OWL	Dan Clark, Jen Dodson OWL, Dick de joux, Julia Crossman	Meeting between hydrologist to discuss technical matters
1 May 2017 Closed Workshop with ZC	Peter Constantine, Craig Davison ZC Members	Closed workshop to present the "Water Quality Toolkit" to the ZC
10 May 2017 OWL/ AMWG- ECan meeting	Julia Crossman, Tony McCormick, Milne Horne, George Hamilton (OWL), Mark Webb (F&G), Judy Blakemore (TDC), Lex Foster-Bohm, Dan Clark, Craig Davison, Shirley Hayward, Peter Constantine, Zella Smith (ECan)	Met to discuss the following: <ul style="list-style-type: none"> • Feedback from planning on the AMWG summary proposal • Feedback from ECan on artificial freshes • Update on Dan's modelling of the AMWG package • 'Where to from here' session- so that the AMWG have a sense of where their work needs to go
9 May 2017 Hui with Mandy Home	Mandy Home, Dan Clark, Lyn Carmichael	Meeting at NIWA office to review upcoming scenarios before community presentations from Runanga later in month, to review zc draft work plan and discuss presentation for rock art for next zc meeting
18 May 2017 Deer Association Field day	Lyn Carmichael presented	Presentation to deer farmers on Healthy Catchments project, outline of process and encourage involvement and outline opportunities to be involved
23, 24, 29 May 2017 OTOP Healthy Catchment Scenario 2&3: In-zone gains and New Water Public Workshops	Zone Committee led public workshops Dan Clark, Raymond Ford, Barbara Nicholas, Lex Foster-Bohm, Michael Hide, Nic Newman	Presentations and workshop on scenario assessments
6 June 2017	Lyn Carmichael, Leo Fietje, Simon Harris, Shirley Hayward Farmer reference working group	Meeting at Pleasant Point with a reference group of farmers and Zone Committee representatives to assess available mitigation options for N loss from farms in OTO
12 June 2017 AMWG/ ECan meeting		AMWG to present revised proposal for flow regime in the Opihi catchment

20 June 2017 Ecan / Pareora Catchment Group	Andrew Parrish, Craig Davison, Michael Hide Pareora Catchment Group	Meeting between Ecan and Pareora Catchment Group to discuss HCP timeline
20 June 2017 Ecan / OWL	Andrew Parrish, Craig Davison and Julia Crossman, Tony McCormick	Meeting between Ecan and OWL to discuss HCP timeline and progress so far.
28 June 2017 Ecan / Pareora Catchment	Craig Davison, Peter Constantine, Michael Hide Pareora Catchment Group	Meeting between Ecan and Pareora Catchment group to present and discuss the plan change 5 decision.
3 Jul 2017 ZC / Orari Catchment Group	ZC Members, and project staff	Orari Catchment Group presented at ZC closed workshop.
3 July 2017 ZC / Landcare Trust / Adaptive Management Group, Opuha Water Limited / Geraldine Water Solutions & Orari Water Inc. / Fish & Game / Forest & Bird	ZC Members, ECan Staff, Janet Gregory (NZ Landcare Trust), Tony McCormick, Julia Crossman, Milne Horne (Opuha Water Ltd), representatives of Geraldine Water Solutions, representatives of Forest and Bird Society	Groups presented at the ZC workshop
4 July 2017 Ecan / Upper Opihi / Opuha Catchment Group	Craig Davison, Peter Constantine Upper Opihi / Opuha Catchment Group	Meeting between Ecan and Upper Opihi / Opuha Catchment Group to discuss the plan change 5 decision.
10 July 2017 ZC / Pareora Catchment Group Working Party	ZC / Pareora Catchment Group Working Party	Pareora Catchment Group Working Party present at ZC closed workshop.
10 July 2017 OWL / ZC	Julia Crossman, Tony McCormick	OWL presentation at public meeting on recommendations sought for the Draft ZIPA.

17 July 2017 ZC / Te Ana Wai Catchment Group Presentation / Upper Opihi & Opuha Catchment Group Presentation / Tengawai Water Users Group Presentation / Above Dam Users Group Presentation	ZC Members, ECan Staff, Paul Bartrum, Mark Hawkins (Te Ana Wai Catchment Group), Dermott O'Sullivan, Mark Hawkins (Tengawai Water User Group), Jason Grant, Mark Adams, Kevin Payne (Upper Opihi/Opuha Catchment Group), Louise Holmes (Above Dam Irrigators Group)	Catchment Groups presented at ZC closed workshop.
18 July 2017	Lyn Carmichael, Leo Fietje, Simon Harris, Shirley Hayward Farmer reference working group	Meeting at Pleasant Point with a reference group of farmers, Zone Committee representatives and Industry representatives to assess available mitigation options for N loss from farms in OTOP
18 July 2017 Ecan / OWL	Craig Davison and Peter Constantine attended Opuha Water Board meeting to provide feedback on the AMWG proposal	OWL and AMWG to consider feedback and then consent with Craig and Peter
1 August 2017 Ecan / ZC / Orari Catchment Group	Craig Davison, Lex Foster Bohm Hamish McFarlane, Mark Webb Orari Catchment Group	Meeting between ZC reps, Ecan, and Orari catchment group to present initial thinking on the recommendations for the Orari catchment
7 August 2017 ZC / Timaru District Council	ZC Members, ECan Staff Grant Hall, Judy Blakemore, Ashley Harper (TDC)	Presentation at closed ZC workshop by Timaru District Council on Timaru District Water Supplies.
7 August 2017	ZC, ECan Staff, Paul Bartrum and Mark Hawkiins (Te Ngawai Catchment Group), Leo Gaffaney, Mark Oldfield, Wayne Kelliher (Seadown Water Users Group), Ad Hendriks and Rhys Taylor (Waihi and Te Moana Catchment Groups)	Presentations at ZC closed workshop by Catchment Groups. Seadown Water Users Group presentation / Orari, Pareora, Upper Opihi/Ophua and Te Ngawai Catchment groups open discussion. / Waihi Te Moana Catchment Group Presentation / Kakahu Catchment Group Presentation / Lower Opihi Cathcment Group written report
9 August 2017	Lyn Carmichael, Leo Fietje, Simon Harris, Helen Risk, Dairy NZ Farmer reference working group	Meeting at Pleasant Point with a reference group of farmers, Industry Representatives and Zone Committee representatives to assess available mitigation options for N loss from farms in OTOP

14 August 2017	ZC Members, ECan Staff, Justin Kitto, Charlotte Wright (DairyNZ)	Dairy NZ Presented at ZC closed workshop.
15 August 2017 Ecan / OWL	Craig Davison, Peter Constantine OWL Management	Meeting between Ecan and OWL management to discuss ecological flow recommendations for the Opihi Catchment and flow regime
21 August 2017 Ecan / OWL	Dan Clark, Jen Dodson, Helen Shaw OWL, Dick de Joux, Julia Crossman	Meeting between Ecan and WOL hydrologists to discuss technical matters
21 August 2017	ZC Members, ECan Staff, Grant Hall (TDC), Julia Crossman, Jeremy Boys (OWL), Fraser Ross (Forest and Bird Society),	OWL, Waitarakao Washdyke Taskforce, Forest and Bird, Otipua Saltwater Creek Working Group all presented at ZC public meeting.
5 September 2017	Lyn Carmichael, Michael Hide Pareora Catchment Group	Meeting between ECan and Pareora Catchment Group to discuss the initial recommendations the ZC has made for the Draft ZIPA.
11 September 2017	ZC Meeting, ECan staff, Tony McCormick, Julia Crossman, Nicky Hyslop, Milne Horne (OWL).	Cascade Irrigation Scheme, Adaptive Management Working Group and Opuha Water Limited presentations at ZC closed workshop.
12 September 2017	Lyn Carmichael, Shirley Hayward Upper Opihi / Opihi Catchment Group	Meeting between ECan and Upper Opihi / Opuha Catchment Group to discuss recommendations made to date in the Draft ZIPA.
13 September 2017	Lyn Carmichael, Leo Fietje, Simon Harris, Helen Risk, Dairy NZ Farmer reference working group	Meeting at Pleasant Point with a reference group of farmers, Industry Representatives and Zone Committee representatives to assess available mitigation options for N loss from farms in OTOP
14 September 2017	Peter Constantine, Michael Hide Waihi Temuka Catchment Group	Meeting between ECan and the Waihi Temuka Catchment Group to discuss initial recommendations the ZC has made in the Draft ZIPA
23 October 2017	Craig Davison, Lyn Carmichael, Shirley Hayward Ravensdown – Anna Wilkes	Meeting between Ravensdown and Ecan to discuss industrial nitrogen load for Ravensdown
31 October 2017	Craig Davison, Lyn Carmichael, Dan Clark, Peter Constantine, Barb Gilchrist, Jenna Scott Many Home, Sue Eddington, John Henry, Karl Russell, Sandy Tipene	Hui between ECan and mātaihai komiti to co draft a paper on recognising and protecting cultural values in the OTOP Zone
7 November 2017	Craig Davison, Lyn Carmichael, Alison Johnstone, Daryn Jemmett, Rob Lindsay	Meeting between Ecan and Silverfern Farms to discuss industrial nitrogen load for Silverfern Farms

13 November 2017 Ecan / OWL	Craig Davison, Lyn Carmichael, Peter Constantine, Dan Clark, Barb Gilchrist, Shirley Hayward Julia Crossman, Tony McCormick	Meeting between Ecan and OWL to discuss draft recommendations in the ZIPA
20 November 2017 OWL / ZC / ECan	Ecan staff, ZC members Tony McCormick, Julia Crossman	OWL presented to the ZC in closed workshop on key points and recommendations they are seeking as part of the Healthy Catchments Project
21 November 2017 OWL / ECan	Andrew Parrish Tony McCormick, Julia Crossman	Catch up about OTOP procedural matters from present day until mid-2018.
21 November 2017	Lyn Carmichael, Helen Risk, Ian Lyttle ZC Members Waihi Temuka and Orari Catchment Groups	Meeting to discuss Zone Committee focus on Temuka catchments for management of sediment
24 November 2017 ECan / Fonterra	Craig Davison, Lyn Carmichael, Shirley Hayward Brigid Buckley	Meeting between Ecan and Fonterra to discuss industrial nitrogen load for Fonterra
15 December 2017 Zone Committee released the Draft ZIPA for public consultation and feedback.		
29 January 2018	Zone Committee, Ecan technical staff and stakeholders	Industry and NGO appointments to discuss ZIPA with Zone Committee and Staff
30 January 2018	Zone Committee, General Public, ECan technical staff	Geraldine drop-in sessions for the public to discuss the draft ZIPA with Zone Committee members and technical staff. 38 members of the public on the attendance list.
13 February 2018	Zone Committee, General Public, ECan technical staff.	Pleasant Point drop-in sessions for the public to discuss the draft ZIPA with Zone Committee members and technical staff. 37 members of the public on the attendance list.
14 February 2018	Zone Committee, General Public, ECan technical staff	Pareora drop-in sessions for the public to discuss the draft ZIPA with Zone Committee members and technical staff. 24 members of the public on the attendance list.
16-18 February 2018 Nga Kete Project Wananga Arowhenua Marae	Lyn Carmichael, Shirley Hayward attended a wananga with staff from NIWA and Arowhenua mātaihai komiti and iwi	Workshop on mahinga kai, key lifecycle, monitoring and protection opportunities, taking eel otoliths to send to NIWA

20 February 2018	Zone Committee, General Public, ECan technical staff	Fairlie drop-in sessions for the public to discuss the draft ZIPA with Zone Committee members and technical staff. Evening session cancelled due to weather. 24 members of the public on the attendance list.
21 February 2018	Zone Committee, General Public, ECan technical staff	Timaru drop-in session for the public to discuss the draft ZIPA with Zone Committee members and technical staff. 42 members of the public on the attendance list.
22 February 2018	Zone Committee, ECan Planning staff	Industry and NGO meetings all day at Ecan offices Timaru. Presentations and discussion on draft ZIPA implications for stakeholders.
22 February Cave	Lyn Carmichael and Peter Constantine attended Farmer meeting organised by Beef and Lamb at Cave	Draft ZIPA presented to farmer meeting and feedback sought
15 December – 25 February Feedback period on draft ZIPA. Over 120 pieces of written feedback on the draft ZIPA (Dec 2017 version) were received and considered by the Zone Committee. Includes feedback from various industry groups and members of the public.		
27 February 2018 MDC offices Fairlie	Craig Davison, Peter Constantine and Dan Clark attended a meeting on Draft ZIPA with MDC councillors	Feedback from MDC on implications of draft ZIPA on MDC community discussed.
8 March 2018 Pleasant Point	Agribusiness and Ecan planning staff workshop with Farmer reference group	Workshop on assumptions and inputs to inform the economic modelling for proposed flow regimes
16 April 2018 Fairlie Community Centre	Zone Committee, Technical Staff, General Public.	ZC hosted meeting in Fairlie where NIWA presented the ecological flow work findings and Agribusiness Group presented preliminary economic work to the community.
17 April 2018 Arowhenua Marae	Zone Committee, Technical Staff, General Public.	ZC hosted meeting in Temuka where NIWA presented the ecological flow work findings and Agribusiness Group presented preliminary economic work to the community.
17 April – 11 May 2018 Further feedback on the recommended flows were received between. 6 pieces of written feedback were received and considered by the Zone Committee. Includes feedback from Flow and Allocation working party and members of the public.		
1 May 2018 OWL/Ecan	Craig Davison, Andrew Parrish, Lyn Carmichael and Dan Clark meeting with Opuha Water	Discussion on proposed flow regimes for Opihi Tributaries
8 May 2018 Timaru	Dan Clark, Tim Kerr, Andrew Mockford Georgina Hamilton	Technical meeting to discuss the concept and calculation of Potential available volume and the AMWG proposal for Lake Opuha

7 June 2018	Lyn Carmichael and Craig Davison met with Charlotte Wright DairyNZ	Nutrient management and implications for dairy farmers
11 June 2018 AEC office Timaru	Lyn Carmichael, Craig Davison, Dan Clark and Lochiel McKellar met with Alex MacDonald and Ally Crane AEC	Discussion on staff evaluation of the Flow and Allocation working party proposal to Zone Committee for the Opihi Tributaries
3 July 2018 TCWP/Ecan	Dan Clark, Craig Davison and Lyn Carmichael met with Haidee McCabe and Keri Johnson from Irricon and members of Temuka Catchment Working Party	Discussion on technical work for flow and allocation for Temuka Catchments
3 July 2018 FAWP/Ecan	Dan Clark, Craig Davison and Lyn Carmichael met with Haidee McCabe and Keri Johnson from Irricon	Discussion on technical work for flow and allocation for Opihi Catchments
23 July 2018 Hui Arowhenua Marae	Lyn Carmichael, Dan Clark, Craig Davison, Shirley Hayward met with Arowhenua Mātaaitai komiti and AEC	Discussion on proposed regimes from flow and allocation working party and evaluations of these regimes by staff.
26 July 2018 AEC office	Lyn Carmichael, Dan Clark, Craig Davison, Alex MacDonald and Ally Crane	Meeting to discuss flow assessments before upcoming ZC workshops
27 July 2018 Ecan Office	Craig Davison, Lyn Carmichael and Shirley Hayward met with Brigid Buckley, Mat Cullen and James Caygill from Fonterra	Discussion on OTOP plan process and in particular nutrient management options for the high nitrate concentration area in Orari.
13 August 2018 TCWP/Ecan	Craig Davison, Dan Clark, Lochiel McKellar and Lyn Carmichael, met with Haidee McCabe and Keri Johnson from Irricon and members of Temuka Catchment Working Party and Zone Committee	Discussion flow and allocation for Temuka Catchments
21 September 2018 Hui before ZC Workshop	Dan Clark, Lyn Carmichael, John Henry, Sue Eddington, Treena Davison (TRoNT) Matt Ross (TRoNT), Ally Crane (AEC)	Hui before ZC to discuss assessments of flow and allocation regimes, nutrient management and cultural recommendations
25 September 2018	Zone Committee, Technical Staff, General Public.	Fairlie drop-in session for the public to discuss the draft ZIPA with Zone Committee members and technical staff.

26 September 2018	Zone Committee, Technical Staff, General Public.	Temuka drop-in session for the public to discuss the draft ZIPA with Zone Committee members and technical staff.
<p>21 September – 5 October 2018 Further feedback was invited specifically on</p> <ul style="list-style-type: none"> -Flows and allocation in the Opihi and Temuka catchments, -Nutrient Management regime in the sub-region, and -Cultural area recommendations <p>Over 25 pieces of written feedback were received and considered by the Zone Committee. Includes feedback from Nga Rūnanga, various industry groups and members of the public. This feedback is in addition to the feedback received at the drop in sessions detailed above.</p>		
15 October 2018 Hui Arowhenua Marae	Dan Clark, Lyn Carmichael, John Henry, Sue Eddington, Tewera King, Sandy, Treena Davison (TRoNT) Matt Ross (TRoNT)	Hui before ZC workshop to discuss assessments of flow and allocation regimes, and cultural recommendations
19 October TCWP/Ecan	Dan Clark, Craig Davison, Melissa Robson-Williams and Lyn Carmichael met with Haidee McCabe and Keri Johnson from Irricon and members of Temuka Catchment Working Party	Discussion on technical assessments and the statutory requirements for setting Temuka flows
5 November 2018 Hui before ZC Workshop	Dan Clark, Lyn Carmichael, John Henry, Sue Eddington, Treena Davison (TRoNT) Matt Ross (TRoNT)	Hui before ZC workshop to reflect on changes made following feedback period and final flow recommendations
12 November 2018 Hui with Arowhenua	Dan Clark, Lyn Carmichael, John Henry, Ally Crane, Treena Davison (TRoNT)	Hui to discuss flow recommendations in final ZIPA and implications for rivers before ZC workshop is held
23 November 2018 Hui with Arowhenua AEC office	Lyn Carmichael, Dan Clark, Craig Davison, John Henry, Treena Davison, Matt Ross, Ally Crane, Gail Tipa	Hui to discuss how drafting the OTOP plan change was to be progressed and how rūnanga could be involved. Feedback was sought on things rūnanga would like to see in plan change, particularly in respect of Temuka FMU
<p>December 2018 – Orari-Temuka-Opihi-Pareora Zone Implementation Programme Addendum released</p>		
25 January 2018 Hui with Arowhenua AEC office	Lyn Carmichael, Jason Holland, John Henry, Karl Russell, Tewera King, Ally Crane,	Hui to review drafting process for the OTOP plan change and a proposed engagement plan for working on the draft plan with Arowhenua

29 th January 2019 OWL/Ecan	Craig Davison (ECan), Lyn Carmichael (ECan), Julia Crossman (OWL), Georgina Hamilton (Gresson, Dorman and Co)	Meeting to discuss and agree engagement with Opuha Water over drafting. Two workshops planned prior to schedule 1 consultation– one technical and one policy
19 th February 2019 OWL/Ecan	Dan Clark (ECan), Craig Davison, Lyn Carmichael, Shirley Hayward (ECan), Zella Smith (ECan), Melissa Robson Williams (Landcare Research), Julia Crossman, George Hamilton, Andrew Mockford (OWL), Keri Johnson (Irricon), Greg Ryder (Ryder Associates), Tim Kerr (Aqualinc), Richard Measures (NIWA)	Workshop on technical aspects of AMWG proposal and ECan modelling and evaluation of the proposal
12 March 2019 Hui Arowhenua Marae	Dan Clark, Lyn Carmichael and Shirley Hayward met with Arowhenua Mātaitai Komiti and AEC	Discussed drafting of provisions for nutrient management, flow and allocation and cultural areas and sought further input from rūnanga
14 th March 2019 OWL/Ecan	Dan Clark, Craig Davison, Lyn Carmichael, Melissa Robson Williams, Julia Crossman, George Hamilton, Andrew Mockford,	Workshop on the policy framework for the mainstem regime and responding to the ZC principles
14 th March 2019 TCWP/Ecan	Dan Clark, Craig Davison, Lyn Carmichael, Zella Smith, Melissa-Robson Williams, Members of Temuka Catchment Working Party and Zone Committee	Discussion on Taskforce for reducing allocation – role of the working party, Policy driver to incentivise reduced allocation and C allocation and a swap block for surrendered surface water
15th April – 15th May – Schedule 1 Consultation on draft Plan Change 7		
16 th April 2019	Lyn Carmichael hui with Philippa Lynch at TRoNT offices	Working on draft provisions for Rock Art and Springs
17 th April 2019 Hui at Ashburton District Council offices	Dan Clark, Lyn Carmichael, John Henry, Karl Russel, Ally Crane, Kylie Hall, Treena Davison	Talked through PC7 draft provisions to support rūnanga in submitting Schedule 1 feedback on the plan change
3 rd May 2019	Lyn Carmichael hui with Philippa Lynch at TRoNT offices	Working on draft provisions for Rock Art and Springs

8 th May 2019 Hui Arowhenua Marae	Ecan Councillors, Bill Bayfield, Katherine Trought, Ecan Tuia, Implementation and Technical staff	Cultural advisors from Arowhenua talked through the importance of and the state of the awa in the Arowhenua takiwā. The implications for mahinga kai and ability of Arowhenua to partake in cultural activities was explained to ECan councillors and staff
9 th May 2019	Andrew Parrish, Katherine Trought, Zella Smith and Lyn Carmichael met with Ashley Harper, Grant Hall, Judy Blakemore from TDC and Kylie Galbraith from Opus	Discussion on draft plan change to inform schedule 1 feedback from TDC
9 th May 2019	Andrew Parrish, Katherine Trought and Lyn Carmichael met with CSI Fish and Game	Discussion on draft plan change to inform schedule 1 feedback from CSI Fish and Game
21 May 2019	Lyn Carmichael hui with Philippa Lynch at TRoNT offices	Working on draft provisions for Rock Art and Springs
22 May 2019	Lyn Carmichael and Zella Smith met with Kylie Galbraith from Opus	Meeting to discuss and better understand Schedule 1 feedback from TDC and opportunities to address the issues raised in plan drafting
30 th May 2019 OWL/Ecan	Dan Clark, Lyn Carmichael, Helen Shaw (ECan), Andrew Parrish (ECan), Zella Smith, Julia Crossman, George Hamilton, Andrew Mockford, Tim Kerr Richard Measures, Ryan O'Sullivan (OWL Director), Nicky Hyslop (OWL Director), Brendan Caird (OWL Director), Jeremy Boys (OWL Director)	Meeting to discuss and better understand Schedule 1 feedback from Opuha Water and opportunities to address the issues raised in plan drafting
4 th June 2019	Lyn Carmichael and Dan Clark met with CSI Fish and Game	Meeting to discuss and better understand Schedule 1 feedback from CSI Fish and Game and opportunities to address the issues raised in plan drafting
12 June 2019	Andrew Parrish and Lyn Carmichael met with Herb Familton Department of Conservation	Meeting to discuss and better understand Schedule 1 feedback from DOC and opportunities to address the issues raised in plan drafting

<p>3rd July 2019 OWL/Ecan</p>	<p>Dan Clark, Lyn Carmichael, Helen Shaw, Andrew Parrish, Zella Smith, Brian Reeves (ECan), Chris Eccleston (ECan), Julia Crossman, George Hamilton, Andrew Mockford, Tim Kerr Richard Measures, Ryan O'Sullivan</p>	<p>Final consultation meeting prior to notification to discuss remaining concerns and any technical work required to better understand and address these issues through the submissions process and beyond</p>
<p>3rd July 2019</p>	<p>Lyn Carmichael meeting with TDC infrastructure staff</p>	<p>Final consultation meeting prior to notification to discuss remaining concerns and any technical work required to better understand and address these issues through the submissions process and beyond.</p>