



**Waitaki**  
DISTRICT COUNCIL  
TE KAUNIHERA A ROHE O WAITAKI



Canterbury Water



## LOWER WAITAKI - SOUTH COASTAL CANTERBURY ZONE COMMITTEE

**A MEETING of the LOWER WAITAKI - SOUTH COASTAL CANTERBURY  
ZONE COMMITTEE will be held as follows:**

Date: Wednesday 17 May 2017

Time: 1.00pm

Venue: Waimate Event Centre, Paul Street, Waimate

### COMMITTEE MEMBERSHIP

Kate White (Chair)

Suzanne Eddington

Andrew Feierabend

Mark Giles (Deputy Chair)

Sandra Hampstead-Tipene

Andrew Hayes

Jeremy Holding

Mark Kingsbury

Miriam Morton

Bruce Murphy

Brent Packman

Elizabeth Rollinson

Ranui Ryan

Peter Scott

**LOWER WAITAKI SOUTH COASTAL CANTERBURY ZONE COMMITTEE**  
**WAIMATE EVENTS CENTRE, PAUL STREET, WAIMATE**  
**17 MAY 2017, 1.00 PM**

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**No      Time    Page    Item**

*Karakia and Welcome*

	1.00pm		<b>Permanent Items</b>
			Apologies
1		3	Minutes – 19 April 2017
			Matters Arising
			Declarations of Interest
		7	Correspondence – sympathy letter
			Regional Committee Update
			Facilitator Update
	1.20pm		<b>Zone-wide Implementation</b>
2		8	Zone Team Update (Chris Eccleston)
3		9	Immediate Steps Biodiversity stock-take (Kennedy Lange)
	1.50pm		<b>Waitaki</b>
4		15	Plan Change 5 Update (Craig Davison)
			Jet Boating on the Waitaki (Jet Boat Association)
	2.20pm		<b>Region-wide Implementation</b>
5		16	Recreation and Amenity Priority Sites (Anita Fulton)
	2.45pm		<b>Afternoon Tea</b>
	3.00pm		<b>South Coastal Canterbury</b>
6			How the bits fit together (Nic Newman)
7	3.20pm		<b>General Business / General Public</b>

## LOWER WAITAKI SOUTH COASTAL CANTERBURY ZONE COMMITTEE

### UNCONFIRMED MINUTES OF AN LOWER WAITAKI SOUTH COASTAL CANTERBURY ZONE COMMITTEE MEETING HELD IN THE WAIMATE EVENT CENTRE, WAIMATE ON WEDNESDAY 19 APRIL 2017, AT 1.00PM

- PRESENT** Kate White (Chair, Community), Suzanne Eddington (Waihao Runanga), Sandra Hampstead-Tipene (Arowhenua Runanga), Andrew Hayes (Community), Mark Kingsbury (Community), Cr Miriam Morton (Waimate District Council), Bruce Murphy (Community), Brent Packman (Community), and Cr Peter Scott (Environment Canterbury)
- APOLOGIES** Andrew Feierabend (Meridian Energy), Liz Rollinson (Community) and Ranui Ryan (Moeraki Runanga), Cr Jeremy Holding (Waitaki District Council), Mark Giles (Deputy Chair, Community)
- IN ATTENDANCE** Nic Newman (Zone Facilitator – ECan)  
Karalyn Reid (Committee Secretary, Waimate District Council)

- 1 **KARAKIA**  
The Chair welcomed members to the meeting, and asked Peter Ramsden to open the meeting with a karakia.
- 2 **APOLOGIES**  
RESOLVED  
LWSC17/05 Moved Cr Miriam Morton  
Seconded Bruce Murphy  
“That apologies for absence from Andrew Feierabend, Liz Rollinson, Ranui Ryan, Mark Giles and Cr Jeremy Holding are accepted.”  
MOTION CARRIED
- 3 **DECLARATIONS OF INTEREST**  
There were no declarations of interest.
- 4 **CONFIRMATION OF MINUTES**  
  
RESOLVED  
LWSC17/06 Moved Suzanne Eddington  
Seconded Mark Kingsbury  
“That the minutes of the meeting dated 15 March 2017 be adopted as a true and correct record.”  
MOTION CARRIED

#### Matters Arising

River quality for swimming – Nic is still working on procuring a map showing the current river water quality for swimming and NPS amendments. Until a zone-by-zone analysis is completed the implications for the current plan process are unknown.

- 5 **CORRESPONDANCE**  
Email from Ranui Ryan, advising that Wayne Tipa, who was the Committee’s former representative on the Moeraki Runanga has passed away.

RESOLVED  
LWSC17/07

Moved Andrew Hayes  
Seconded Cr Miriam Morton  
"That the correspondence be received."  
MOTION CARRIED

RESOLVED  
LWSC 17/08

Moved Sandra Hampstead Tipene  
Seconded Cr Miriam Morton  
"That a letter of condolence be written and sent to the family of  
Wayne Tipa."  
MOTION CARRIED

## **6 REGIONAL COMMITTEE UPDATE (Verbal)**

## **7 FACILITATOR UPDATE**

- An information sheet on braided river work was circulated
- The timing of Plan Change 5 decision will be discussed at the May meeting
- The Lower Waitaki SC Canterbury Zone Committee Annual Report will be presented to the Waimate District Council on Tuesday 2 May 2017 and to the Waitaki District Council on 10 May 2017. It was presented to ECan on 13 April 2017.

## **8 ZONE IMPLEMENTATION**

### **Zone Team Update (Michael Hide)**

In Michael's absence, Judith Earl Goulet gave a verbal update on the work of the Zone Team in the first quarter of 2017.

- Waihao Farm Audits
- Black Hole Enhancement Project
- Hakataramea Community Catchment Plan
- Te Mana O Tewai Project
- South Canterbury Winter Feed GMP Project
- Dairy Effluent Monitoring
  - The Committee noted the wet weather was adding to effluent ponding problems
- Irrigation Monitoring
- South Coastal Canterbury Plan Change
- New Zone Manager:
  - Chris Eccleston will join Environment Canterbury on the 1 May 2017 and will take over the Zone Manager role for the Upper and Lower Waitaki Zones.

### **Plan Change 3 Implementation Report (Keitha Laming)**

Environment Canterbury Timaru Planner Julia Forsyth spoke to the report.

- March Public Meetings (Hook & Otaio)
  - Both meetings focused on nutrient caps. Good sign up for one-on-one meetings with consent staff
- N Check - Progressing Tools for Plan Implementation
  - Overseer is still the best and most accurate tool available, however N-Check is being evaluated for use for low intensity farmers
- Other Work Streams 'Collectives' (Catchment Groups and Irrigation Schemes)
  - Most farmers in PC3 have good management plans, with Hook approximately 90%.

- Upcoming Events to promote GMP: Industry Workshop to discuss Wintering Campaign
  - There was support to help inform farmers about practises to minimise nutrient and sediment runoff prior to the feeding of crops this winter.
- Strategic Communications Plan
- Immediate Communications and Activities – Raising the profile on Good Management Practises

### **Zone Implementation: Waihao Catchment Extension Update**

Emily Anderson gave a verbal report

- Ongoing water testing to discover EColi contamination source at Black Hole
- Looking at funding and Council support to remove willows and undertake riparian planting. There is good support from voluntary groups
- Possible campaign on wintering on steep slopes may be necessary weather dependant
- Possible field visit to the Black Hole for the Committee
- The Waihao Wainono Community Catchment Group is hosting a Sediment/soil Management Field day on Thursday 4 May 2017. Zone Committee members are encouraged to attend
- Green Ribbon Award nominations are coming up
- Waikakahi MOU has been prepared
- The Waihao rūnunga are not being notified about EColi contamination at the Black Hole

## **9 WAITAKI STRATEGIC**

### **Presentation: Hakataramea Sustainability Collective (Sarah Elliot)**

- 30 of 86 families attended the meeting
- There is community wide interest for valley about sustainability
- The Collective wants ECan and industry support
- Over the next six months will look at action plans, estimates on costs, looking at funding, etc.
- Initially look at tidying up areas, get facilitator to help drive outcomes, putting together good management practice followed up with field days
- The Collective will help farmers with good management practices and to meet Plan Change 5

The Chair thanked Sarah for her update. Nic explained the Committee's formation and will send Sarah a copy of the '10 targets'. He asked Sarah to update the Committee again in a few months' time.

### **Infinity Decision**

- Nic reported this is now under appeal to the High Court

### **Presentation by Fish and Game: Hakataramea Environmental Flow Regime (Jay Graybill, Mark Webb, and Angela Christensen)**

- Fish and Game sought support from the Lower Waitaki Zone Committee for an earlier review of the environmental flow regime for the Hakataramea River

RESOLVED  
LWSC 17/08

Moved Chair Kate White

Seconded Andy Hayes

“That the Lower Waitaki Zone Committee supports requesting Environment Canterbury to consider the implications of bringing forward the review of the Hakataramea environmental flow regime earlier than 2023 to scope identified issues.”

MOTION CARRIED

## **10 South Coastal Canterbury Strategic**

### **Hunter Downs Update (Stacey Scott)**

- The offer for water shares given to the community to take up irrigation water was given on 13 March 2017
- The offer closed on Monday 13 April 2017 but has been extended to 28 April 2017
- In the first week in May they will know if construction will begin this winter
- The current focus is getting farmers to commit to the scheme.
- The bigger picture is the economic viability of the district.

The Chair thanked Stacey for her update.

## **11 General Business**

There was no general business

At the invitation of the Chair, Peter Ramsden shared a karakia.

There being no further business, the Chair declared the meeting closed at 4.20pm.

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**K White**  
**Chairperson**



28 April 2017

Mrs Donna Tipa  
44 Burrangess Street  
**Palmerston**

Dear Donna and Family

On behalf of the Lower Waitaki South Coastal Canterbury Zone Committee, I write to express our deepest condolences on the loss of Wayne.

Wayne was well respected both with members of the Lower and Upper Waitaki Water Management Committees over several years and had a wonderful way with tikanga and sharing of values associated with water.

He will be deeply missed by the community.

Please pass on our condolences to your wider family.

Yours sincerely

Kate White  
Chair  
**Lower Waitaki SC Canterbury  
Zone Committee**

<b>AGENDA ITEM : 2</b>	<b>REPORT BY</b> Michael Hide and Chris Eccleston
<b>DATE</b> 17 May 2017	<b>SUBJECT</b> Zone Team Update

### **Purpose**

To introduce Chris Eccleston, new Zone Manager for the Waitaki and update the committee on the work of the Zone team.

### **Action Required**

Receive the update.

### **New Zone Manager**

Chris Eccleston has recently started with Environment Canterbury and will be the Zone Manager for the two Waitaki Committees.

Chris has come to Environment Canterbury from the South Canterbury District Health Board. He spent 5 years here, latterly as the Workforce Development and Quality Development Manager and prior to that as the General Manager of Clinical Governance.

Prior to this Chris worked in a variety of quality related roles for organisations such as Fonterra, Waikato District Health Board and the National Blood Service in the United Kingdom.

Chris's strong history of managing teams, working with communities and building relationships will stand him in good stead for the Zone Manager role and he is enjoying getting out and familiarising himself with the area.

### **Zone Team Update**

A verbal update will be provided on the current projects underway including:

- Waihao Farm Audits project
- Te Mana O Te Wai
- Black Hole enhancement project
- Hakataramea Sustainability Collective
- Wintering GMP Programme
- Resource consent issues
- SCCS plan change

<b>AGENDA ITEM: 3</b>	<b>SUBJECT</b> Lower Waitaki Zone Committee Immediate Steps Fund – Biodiversity Project Funding approval.
<b>MEETING DATE</b> 17 May 2017	<b>REPORT BY</b> Kennedy Lange, Biodiversity Officer

## Immediate Steps Programme

The Lower Waitaki Zone committee initiated a programme of scoping and identifying biodiversity projects that will contribute to meeting the required outcomes for the Canterbury Water Management Strategy (CWMS) for the Lower Waitaki Zone. The availability of this Immediate Steps funding had been promoted by the Zone committee and also through local community groups and publicity produced by Environment Canterbury.

### Immediate Steps projects:

There are 25 projects approved to date. Of these, 17 are completed (project actions completed and funds spent), four are partially complete and five are yet to start. We continue to follow up with grant recipients to encourage them to progress the work. We have allocated \$567,379 with an actual spend of \$353,732. There remains \$432,621 available for allocation to new projects.

*Table 1: Immediate Steps Project Summary*

Project Name	Approved Funds	Actual Spend	% Spend	Status
Dog Kennel Stream Ecosystem Protection	\$6,908	\$6,908	100%	Completed
LW Zone committee contribution to Wainono Restoration Project	\$36,000	\$36,000	100%	Completed
Hakataramea Willow Control	\$49,713	\$49,713	100%	Completed
Highway Raupo Wetlands Hakataramea	\$3,268	\$3,268	100%	Completed. Further weed control required
Hunter Ariki Wetland Protection	\$7,036	\$7,036	100%	Completed
Hunter Ariki Wetland Protection, follow up weed control	\$3,500	\$7,036	0%	To be completed
Makikihi Riparian Protection and Restoration	\$9,900	\$9,900	100%	Completed
Parker's Bush Hall's Totara Covenant	\$18,992	\$18,992	100%	Completed

South Waitaki Canterbury Mudfish Ecosystem Protection	\$3,640	\$3,640	100%	Completed
St Andrews Mudfish Habitat Working Waters Trust Project	\$22,000	\$22,000	100%	Completed
Hakataramea Willow Control Phase 2	\$50,000	\$50,000	100%	Completed
Kohika Stream Wetland Protection and Restoration	\$6,000	\$6,000	100%	Completed
Young's Road Hunter Wetland Protection	\$9,800	\$4,982	51%	Completed. Site is now cropping only so will not be fenced.
Otiake Wetland	\$32,000	\$32,000	100%	Completed
Otiake Wetland Stage 2	\$22,000	\$22,000	100%	Completed
Settlement Road Stream Protection	\$15,533	\$3,000	19%	Willow clearance and fencing completed
Duntroon Community Wetlands	\$28,000	\$28,000	100%	Completed
Duntroon Raupo Wetland	\$5,492	\$0	0%	Delayed by landowner
Findlay Downs	\$20,264	\$0	0%	Delayed by landowner
Hakataramea Longjaw Habitat DOC	\$13,333	\$13,000	100%	Completed
Ikawai Raupo Wetlands	\$17,000	\$0	0%	Delayed by farm ownership and management changes. Owners still interested
Kurow Trails Wetland Restoration	\$15,000	\$0	0%	Arranging contractor
Farm Stream Springheads	\$12,000	\$12,000	100%	Completed
Hakataramea Catchment Weed Control	\$160,000	\$18,257	11%	Lupin and willow seedling control completed for 2016
<b>Total</b>	<b>\$567,379</b>	<b>\$353,732</b>	<b>62%</b>	

## Canterbury Biodiversity Strategy

This funding is allocated to meet the aims of the Canterbury Biodiversity Strategy. This is a contestable fund where applications are assessed, scored and prioritised by the Biodiversity Team. Originally this fund allocated \$30,000 per year per CWMS Zone (\$300,000 across the region annually) but if this allocation was not distributed fully per zone, it became available for the other zones to allocate. This fund is now a contestable pool of around \$80,000 per year.

### Canterbury Biodiversity Strategy projects:

Often these are projects for the protection of biodiversity values that do not meet the water use implication criteria for Immediate Steps funding.

There have been nine projects applied for and approved for funding. These are largely for the protection of native forest remnants along the Hunter Hills and as with some Immediate Steps projects we often work with QEII National Trust in gaining legal protection for the sites.

*Table 2, Canterbury Biodiversity Strategy Project Summary*

<b>Project Name</b>	<b>Approved Funds</b>	<b>Actual Spend</b>	<b>% Spend</b>	<b>Status</b>
Centrewood Bush Remnant Protection	\$10,000	\$10,000	100%	Second part of project will not be completed due to farm management change
Hunter Hills Vertebrate Pest Control	\$250,000	\$68,000	27%	\$50,000 pa over 5 years. Initial control operations completed with follow up control on some sites. Work planned for this winter
Teschmaker Bush Fencing	\$12,690	\$12,690	100%	Project Completed
Taylor's Teschmaker Road QEII	\$18,000	\$18,000	100%	Project Completed
Makikihi Planting	\$3,000	\$3,000	100%	Project Completed
White Horse Track Environmental Restoration	\$2,261	\$2,261	100%	Project Completed
Kohika Stream Wetland Protection and Restoration	\$6,000	\$6,000	100%	Project Completed
Kohika Stream Planting	\$3,940	\$3,940	100%	Project Completed
Studholme's Bush	\$9,750	\$9,750	100%	Project Completed
<b>Total</b>	<b>\$325,641</b>	<b>\$133,641</b>	<b>41%*</b>	

\*This is 41% of total allocation which includes the Hunter Hills Vertebrate Pest Control out to 2020. The actual spend for the annual approved allocation 76%.

## Wainono Restoration Project

The Wainono Restoration Project progresses under the Waihao Rūnanga Te Mana O Te Wai Project. This is funded by the Ministry for the Environment with contributions from Environment Canterbury and DOC.

- Weed control work completed on gravel bar in coordination with DOC
- Willow control completed on main Johnstone wetland area
- Lagoon levels are still providing challenges for some work and we are working with landowners and river engineering to look at how these might be managed in the long term
- We have commenced work on properties in the Waituna with willow clearance and stream battering work under way
- Recent flood events have done some damage to existing sediment control works on the Hook River; this is relatively minor and is being repaired
- A proposal to extend covenanted areas on one of the main farms along the lagoon margin is being negotiated. This project will contribute to the fencing costs of the extended area
- Two new mudfish populations have been found and riparian management work will include habitat protection and enhancement. At one site we are looking to involve the local school with this work
- Fish barrier work is being undertaken on Buchanan's Creek by Sophie Allan from Working Waters Trust.
- For the last financial year \$187,000 of the contributing funds have been spent from a two year budget of \$517,000



1. Eel monitoring at Wainono. ECan staff [Rob Carson-Iles](#) and [Helen Risk](#)



2. Large female longfin. (shortly after this photo was taken we discovered they do actually bite)



3. Recent flooding along Hook Drain tributary to Wainono



4. Main sediment trap in the lower Hook Wetland



5. Weir dispersing flood flows through wetland area

<b>AGENDA ITEM: 4</b>	<b>SUBJECT</b> Update on Plan Change 5 (PC5) to the Land and Water Regional Plan (LWRP)
<b>MEETING DATE</b> 17 May 2017	<b>REPORT BY</b> Craig Davison

#### **Action**

- The Zone Committee are invited to attend a briefing on the recommendations of the Hearing Commissioners for PC5 on 15 June 2017 at Environment Canterbury; and
- Accept an agenda item for the next Zone Committee meeting on the content of the Plan Change 5 recommendations.

#### **Summary and Update**

The reply hearing for PC5 was adjourned on 12 December 2016. Since this date, the hearing commissioners have been in deliberations in consideration of the issues raised in submissions and evidence provided during the public hearings for PC5. It is anticipated that the recommendations from the hearing commissioners for PC5 will be considered by council on 15 June 2017.

We invite you to attend a briefing on the recommendations of PC5 on 15 June 2017 at 9:00am, prior to the council meeting. You are then invited to the formal council meeting where a decision will be made to accept or reject the recommendations for PC5. The meeting is scheduled to commence at 10:00am, and lunch will be provided at mid-day.

A full briefing on the PC5 provisions to your committee meeting is schedule for 21 June 2017.

<b>AGENDA ITEM: 5</b>	<b>SUBJECT</b> CWMS Target: Recreation and Amenity Opportunities Priority recreation and amenity restoration sites
<b>MEETING DATE</b> 17 May 2017	<b>REPORT BY</b> Dann Olykan, Anita Fulton CWMS

### **Purpose**

The Regional Water Management Committee's Recreation and Amenity Working Group (RAWG) is seeking from each Zone Committee a list of up to five of their top priority recreation or amenity restoration sites for action in their region.

### **Background**

At its March meeting, RAWG discussed the CWMS targets for recreation and amenity opportunities and progress being made towards meeting these targets. One of the outcomes from this discussion was a desire to gain a better understanding of what the priority recreation or amenity restoration sites are within each zone. Priority recreation or amenity restoration sites include those sites that the local community sees as having outstanding cultural or natural importance that need to be protected or enhanced for future generations.

RAWG is asking each Zone Committee to identify up to five of its top priority recreation or amenity restoration sites within its zone and identify key actions to better protect or enhance each site.

RAWG will consider the list of priority sites across the region and present it to the Regional Committee so that they can understand the diversity of the priority sites that require action and advise the Zone Committee on how it can best support the implementation of these actions.

### **Action required**

Zone Committees are asked to provide RAWG with a list of up to five of its top priority recreation or amenity restoration sites in its region.

Information that RAWG is seeking includes:

- the name and location of the recreation or amenity restoration site;
- a brief description of its importance to the community;
- outcomes the community would like to see achieved; and
- proposed actions to achieve these outcomes.

Information can be forwarded to Anita Fulton by the end of June 2017.

The Regional Committee will then work with Zone Committees on how it can best support the implementation of these actions.

- **CWMS and ZIP Implementation in Lower Waitaki South Coastal Canterbury**

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- **Implementation tracking and overview** -

*Context*

- I. The **role** of the Zone Committee is to develop actions and tactics, with its community to deliver on the CWMS in the zone, and to oversee the implementation of these actions and tactics.
- II. The LWSCC Zone committee has **produced** a Zone Implementation Programme and 3 addenda, which contain recommended actions and tactics.
- III. The **purpose** of this document is to **assist the zone committee** to oversee the delivery of key implementation work-streams across a number of agencies. Some of these workstreams may require committee leadership and problem solving.
- IV. The document can be **used** to assist with: maintaining an overview, the visibility of across agency actions, and the identification and filling of gaps. While the document is 'descriptive', it could be used to 'prescribe actions' where the ZC can source resource commitment.

**Key:** Lower Waitaki, South Coastal Canterbury, Hakataramea Valley, Zone Wide

Key Workstreams	Outcomes sought	CWMS targets / goals	Lead	Status/Comment	Date
Enhancement of braided river islands in the Waitaki River	Improved habitat for endangered braided river birds	Braided River Character <i>Increase in habitat area for braided river birds (2020)</i>	DOC (CRC)	Islands established/enhanced. Black-fronted terns, two black-billed gull colonies, and wrybill are nesting on the islands. Observations made of good numbers of pied stilts and banded dotterels.	Summer 2016/17
Waitaki River Biodiversity	Protection and enhancement of braided river wetlands and river mouth	Braided River Character <i>Protect the indigenous habitats in riparian wetlands, springs and the lagoons associated with braided rivers (2020)</i>	CRC (WDC)	Duntroon Wetland restoration work complete by local community with willow control, planting, boardwalks, and signage.  Actions for Waitaki mouth – not yet begun.	Summer 2016/17
Mudfish Habitat Initiative	Protection and enhancement of Canterbury Mudfish habitat	Ecosystem health and biodiversity <i>An upward trend in diversity and abundance of native fish populations (2020)</i>	LWRMS (DOC)	Habitat enhancement works are progressing well and new species of mudfish have been discovered. Construction of a walking access track is planned. Annual report due in March.	Summer 2016/17
Investigation into groundwater flows in Waihuna/Elephant Hill	We have increased catchment knowledge in priority areas  Improved understanding of groundwater and nutrient flows and the connection between Elephant Hill/Waihuna and the Waikakahi Stream	Environmental Limits <i>Review catchment load limits based on changing monitoring information</i>	CRC	Field work is now complete and preliminary results have been presented to the committee in February and to the catchment group in March.	Summer 2016/17
Northern Fan Spring-head protection and action	The spring sources of streams in the Northern Fan are protected	Ecosystem health and biodiversity <i>Examples of thriving spring-fed ecosystems in each zone (2040)</i>	CRC	Greater Waikakahi: one-on-one work with farmers in MGI to begin on FEP actions, catchment group re-invigorating with March meeting and land management work to focus on specific issues in wider catchment.	Summer 2016/17
Plan Change 2 and 3 to the Waitaki Allocation Plan	Protection of instream values in the Waitaki  Provision of certainty for pre-plan consents  Provision of water for the enhancement of Mahinga Kai  Security of supply for hydro-generation	Environmental Limits <i>Set environmental flows for rivers that are consistent with the principles of the CWMS (2015)</i>  Kaitiakitanga <i>Increased the abundance of, access to and use of mahinga kai (2020)</i>  Energy Security <i>Maintain Canterbury's contribution to NZ's energy security</i>	CRC (WIC/TRONT/ Meridian)	Hearings complete and decisions accepted.  PC2 implementation complete.  PC 3 implementation - discussion on how to implement the consent reviews necessary are ongoing.	Summer 2016/17
PC5	Protection of the high water quality in the Waitaki River	Environmental Limits <i>Set catchment load limits for nutrients for each water management zone (2015)</i>	CRC	Hearings completed in the period Oct-Dec 2016. Awaiting hearing commissioner's decision.	Summer 2016/17
Irrigation Integration Project  Water Stewardship Programme		Irrigated Land Area  Increase in reliability of supply/irrigated land area with demonstrated high standards of riparian, nutrient, and water use management (2040)	WIC	Water Stewardship programme. Phase one all but completed - scheme and catchment baseline data phase. Next phase is to develop an overarching Water Stewardship Strategy which sets high level goals and objectives, this will involve engagement. And finally, develop a Water Stewardship Plan, which is focussed on actions to achieve the goals and objectives.	Summer 2016/17

				South Bank Integrated Irrigation Project - some of this information has been used within the Water Stewardship Baseline Reports, and the actual irrigation system components of it are being progressed by the Kurow-Duntroon Irrigation Company through their proposed upgrade/expansion project.	
Wainono Project	Restoring the mauri of Wainono Lagoon	Ecosystem health and biodiversity  <i>Examples of thriving coastal lagoon ecosystems in each zone (2040)</i>	Te Runanga O Waihao / CRC	Progressing with cropping property surveys in the Hook Drain and Waituna catchments  Continuing with riparian planting work  Completed reinforcing work on sediment structures in the Hook  Have started willow control on wetland areas around lagoon	Summer 2016/17
Stormwater and Wastewater Management	Urban Discharges operate at 'Good Management Practice'  Stormwater Management Plans effectively manage contaminants in the Wainono Catchment	Ecosystem health and biodiversity  <i>Examples of thriving coastal lagoon ecosystems in each zone (2040)</i>	Waimate DC	Wastewater discharges capped by Plan Change 3. Current consent is consistent with Plan Change 3.  A Stormwater Management Plan is currently being drafted for consent application, including current and proposed industrial sites.	Summer 2016/17
Augmentation of Wainono Lagoon	Improved ecological health of the lagoon	Ecosystem health and biodiversity  <i>Examples of thriving coastal lagoon ecosystems in each zone (2040)</i>	Augmentation Advisory Group  CRC	Augmentation locations currently being modelled to assess effectiveness  Continuous in-lake monitoring station installed.	Autumn 2016/17
Hunter Downs Water	Increased irrigated land area and irrigation reliability  Improved economic development opportunities and community resilience	Irrigated Land Area  <i>Increase in reliability of supply/irrigated land area with demonstrated high standards of riparian, nutrient, and water use management (2040)</i>	Hunter Downs Water	Preferred coastal alignment selected.  Pre-commissioning monitoring - planning underway.  Prospectus launch March for proposed winter 2017 construction to begin.	Summer 2016/17
South Canterbury Deep Groundwater Investigation	We have increased catchment knowledge in priority areas  Expanded knowledge of groundwater flowpaths from recharge to discharge zones in the Kowai Formation	Environmental Limits  <i>Review catchment load limits based on changing monitoring information</i>	CRC	Field work complete and initial results/conclusions completed.  Groundwater ageing, via isotope analysis to be completed in late 2017.	Summer 2016/17
Waihao Land Management initiatives	Mitigation of sediment and phosphorus loss on the Waihao Downs  Good Management Practices are implemented in the Waihao Wainono catchment	Ecosystem Health / Water Use Efficiency	CRC / WDI  WWCCG / CRC	Farm survey work underway with WDI to identify farm specific management interventions through FEPs  Next field focus is on sediment and phosphorus loss on May 4 <sup>th</sup> , concentrating on tillage & winter feed practices.  Faecal source tracking underway at Black Hole.	Autumn 2016/17
Plan Change 3	Maintain good water quality in coastal streams and improve flows over time  We have widespread understanding of and	Environmental Limits  <i>Set environmental flows and catchment load limits for nutrients for each water management zone</i>	CRC	Hearing Commissioners' decision released and accepted in Q4 2016.  One appeal on the method for recalculating loads/caps when	Summer 2016/17

	compliance with plans	(2015)		Overseer updates. Water quantity provisions are fully operative. Communication of key messages to the community is underway.	
Hakataramea Sustainability Group	Maintaining the Hakataramea braided river character, habitat, water quality and community values in the catchment	Natural Character of Braided Rivers	HSG	Local sustainability group established and working on an action plan.	Autumn 2016/17
Braided River Weed Control Programme	Protect braided river and wetland habitats and the species they support from invasion of weeds	Natural Character of Braided Rivers <i>Protect significant habitat for a full range of indigenous braided river flora and fauna (2020)</i>	CRC	Funding ring-fenced for braided river weed control over 5 years.	Summer 2016/17
Plan Change 5	Maintain water quality and recreation opportunities associated with the Hakataramea River	Environmental Limits <i>Set catchment load limits for nutrients for each water management zone (2015)</i>	CRC	Hearings completed in the period Oct-Dec 2016. Awaiting hearing commissioner's decision.	Summer 2016/17
Integrated Monitoring Framework pilot	To collate and share data collected by CRC and the community and track plan effectiveness  We understand the effectiveness of interventions	Environmental Limits <i>Review catchment load limits based on changing monitoring information</i>	CRC (HSG)	Current monitoring sites created in the framework and gaps identified. Next steps are conversation with the community about gaps and other data they may collect.	Summer 2016/17
Immediate Steps Biodiversity	Protect and enhance indigenous biodiversity	Ecosystem Health and Biodiversity <i>Protect all existing wetlands (2020)</i>  Natural Character and Ecological Health of Braided Rivers  <i>Protected significant habitat for a full range of indigenous braided river flora and fauna (2020)</i>	CRC	23 projects have been funded and 14 of these projects are now fully complete.  \$425,853 has been allocated out of the first \$500,000 five year budget.	Summer 2016/17
Good Management Practice	All land is managed at good management practice (GMP) and priority issues/areas are dealt with	Ecosystem Health / Water Use Efficiency	Industry/CRC	Focus is currently on priority catchments: Hook, Wainono, Waihao Downs and Greater Waikakahi	Summer 2016/17

Key: Lower Waitaki, South Coastal Canterbury, Hakataramea Valley, Zone Wide