

ASHBURTON WATER MANAGEMENT ZONE COMMITTEE AGENDA

A **Meeting** of the Ashburton Water Management Zone Committee will be held as follows:

DATE: Tuesday 24 July 2018

TIME: 10:30 am

VENUE: Lincoln Events Centre
15 Meijer Drive
Lincoln

MEETING CALLED BY: A Dalziel, Chief Executive, Ashburton District Council
B Bayfield, Chief Executive, Environment Canterbury

ATTENDEES: Mr Chris Allen
Mr Ben Curry
Mrs Angela Cushnie
Mr Gordon Guthrie
Mr Cargill Henderson
Mr Bill Thomas
Mr John Waugh
Mr Arapata Reuben (Te Ngai Tuahuriri Runanga)
Mr Karl Russell (Te Runanga o Arowhenua)
Cr Stuart Wilson (Ashburton District Council)
Councillor David Caygill (Environment Canterbury)

Zone Facilitator

Dave Moore

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Environment Canterbury

Committee Advisor

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Ashburton District Council

Tangata Whenua Facilitator

Vacant

Environment Canterbury



4 Register of Interests

Representative's Name and Interest	
Chris Allen	Farm owner of sheep, beef, lambs, crop Water resource consents to take water from tributary of Ashburton River and shallow wells National board member Federated Farmers of New Zealand with responsibility for RMA, water and biodiversity Member of Ashburton River Liaison Group
David Caygill	Environment Canterbury Councillor Chair - Business NZ's Energy Council
Ben Curry	Chief Executive Officer – Rangitata Diversion Race Management Limited Chair of Recreation and Amenities Working Group Committee
Angela Cushnie	Owner of Country Copy, a communication and promotion business based in Mid Canterbury Operates a very small lifestyle block in Eiffelton On the Communication Committee for Advance Ashburton Community Foundation Co-author of 'Water, Farming and Families' Freelance writer for Latitude Magazine Author of 'Project 4 Life' a document created with the objective of "Building trust, balance and goodwill through communication and education" and a vision to cultivate a shared vision of environmental, social and financial best practice in rural Canterbury.
Gordon Guthrie	CEO Electricity Ashburton Limited (t/a EA Networks) Farming partnership – Winchmore (Ashburton North branch)
Cargill Henderson	Environmental Manager – ANZCO Foods Ltd
Karl Russell	Arowhenua Marae Trustee
Arapata Reuben	Trustee – Tuahiwi Marae Trustee – Tuhono Trust Trustee – Mana Waitaha Charitable Trust Member - National Kiwi Recovery Group Rūnanga Rep and Chair – Christchurch – West Melton Water Zone Committee
Bill Thomas	Farm owner of Longbeach Estate Ltd (sheep, beef, lambs, arable, dairy) Member of Eiffelton Irrigation Scheme
Stuart Wilson	Ashburton District Councillor and Chair of Service Delivery Committee A son who is a Director of Mayfield Hinds Irrigation Co and Chair of RDR
John Waugh	Member of the Ashburton Branch of the Royal Forest and Bird Protection Society Member of Hydrological Society

5 Confirmation of Minutes

Unconfirmed Minutes

Minutes of a meeting of the **Ashburton Water Management Zone Committee** held on Tuesday 26 June 2018, commencing at 1.03pm in the Council Chamber, 2 Baring Square East, Ashburton.

Present

Councillor David Caygill, Cr Stuart Wilson, Bill Thomas (Chair), Ben Curry, Angela Cushnie, Gordon Guthrie, Cargill Henderson, Arapata Reuben, Karl Russell and John Waugh

In attendance

Environment Canterbury: Dave Moore (Facilitator), Ashburton District Council: Louise Glennon (Business Support Officer – minutes)

7 members of the public attended the meeting.

1 Welcome

The Chair welcomed everyone to the meeting.

2 Apologies

Chris Allen

3 Extraordinary Business

None

4 Register of Interests

None

5 Confirmation of Minutes

That the minutes of the Ashburton Water Management Zone Committee meeting held on 22 May 2018, be taken as read and confirmed.

Thomas/Guthrie

Carried

6.1 Matters Arising

ECan staff to prepare a report providing clarification on timeframes for the change in default allocation and minimum flow regimes, however they have delayed their report to allow Ian Mackenzie to comment before responding.

6 Correspondence

Email received from Ben Shearer at Greenstreet Irrigation regarding planning matters. ECan will respond directly to Mr Shearer.

7 Public Contributions

Due to a conflict of interest the Chair excused himself from the discussion; Cr Wilson took the Chair in the absence of the Deputy Chair.

Ian Mackenzie spoke to his presentation from the Eiffelton Community Group.

The Zone Committee agreed to recommend a submission for the current flow and allocation regime for the 3 drains to extend the timeframe beyond 2025. Written support will be requested from all interested parties for the allocation of a long-term solution. Following receipt of this, the Hinds Drains Working Party will be asked to reconvene for a meeting to confirm their agreement to the above proposal. They will then report back to the Committee at the July meeting.

That a request for written support for a recommendation from the Zone Committee for a plan change supporting retaining the current flow and allocation regime for the 3 Eiffelton drains beyond 2025, will be sent to interested parties. Will be issued by the Deputy Chair due to the Chair's conflict of interest.

Guthrie/Curry

Carried

8 Facilitator's Update

Nick Daniels provided an update from this morning's AR modelling workshop:

- The Zone Committee has recognised the challenges in achieving future minimum flows and potential inequities arising from staggered consent renewals up to 2033.
- The initial modelling presented to the Zone Committee indicates that there will be challenges in maintaining reliability of supply to existing irrigators when changes to minimum flows are due to come into effect.
- A Review of consents or a Plan Change remain options, but the Zone Committee will need more information before a recommendation can be made on best way forward.
- The Zone Committee has requested the following actions:
 - ECan modelling to be externally peer-reviewed to ensure it is robust
 - Ecological data to be provided to enable understanding of the impact of different flows (quantify the effect)
 - Provide information to enable the committee to understand actual water use (and what difference this makes)
 - Advice on other tools / instruments that could be used to achieve desired outcomes

To enable committee members to attend the Celebratory event "The Canterbury Farming Good Management Practice Story" the next Zone Committee meeting, on 24 July, will be held at the Lincoln Events Centre at 10:30 am. Lunch will be provided at 1:00 pm and the "Canterbury Farming Good Management Practice Story" will run from at 2:00 pm to around 3:30 pm at the same venue.

There is an opportunity to get some funding from Curious Minds for projects involving children. Funding applications close on 19 September. The Ashburton River mouth could be a good project for this. Janine to look at this to see if it is viable and come back to the group.

Cargill left the meeting at 2.23pm and returned at 2.33pm.

9 Review of Zone Delivery Work Programme

It should be noted that regarding the Drinking Water Outcome, the government are currently looking at Three Waters so this may influence future work in this area. Also looking at working alongside the District Council.

It was suggested that Outcome 2, Biodiversity Step Change and Outcome 5, Community Understanding and Engagement, need some more focus.

That the Committee adopt the proposed work programme, including the two new outcomes, 6 (Safe and Sustainable Water) and 7 (Compliance)

Caygill/Guthrie

Carried

10 Immediate Steps Fund New Projects for Consideration

Sarah Heddell spoke to the report.

That the committee approve the request for the Staveley Camp Forest Restoration Project 3 to the sum of \$54,600 spread over 3 years, on the condition that signage is put up.

Henderson/Waugh

Carried

11 Canterbury Southern Black-backed Gull/Karoro Strategy

Dave spoke to the report.

12 CWMS Fit for Future Project

Dave spoke to his report.

13 Reports for Committee Information

14.2 Consents Update

Noted.

13.2 Regional Committee Update

Ben advised that Dr Andy Pearce has stepped down as Chair at last meeting; he had been there since its inception. No replacement has been appointed as yet. A letter of thanks will be sent to Dr Pearce by the Committee.

It was also noted that it was the Committee Advisor's last meeting and she was sincerely thanked for her work over the past 2 years.

Next meeting

The next meeting of the Ashburton Water Zone Committee will be held on Tuesday 24 July 2018.

The meeting closed at 3.00pm with a karakia by Arapata Reuben.

Dated this 24 day of July 2018 _____ (Chair)

Ashburton Zone Committee Report

Date 24 July 2018
Report to Ashburton Water Zone Committee
From Dave Moore
Subject Facilitators Update

8 Facilitators Update

Purpose

To update the Committee on actions from the previous meeting and upcoming engagement opportunities.

Recommendation

The Zone Committee receive the update.

Update

Carters Creek

The Ashburton ECan Zone team are continuing with water quality monitoring at selected sites in Carters Creek and are working with the science team on further analysis.

Ashburton River Modelling Workshop

Following on from the workshop held in June the Zone Committee requested the following actions:

- ECan tasked the model to be peer-reviewed to ensure it is robust. This is in process but will take some time to complete.
- Want ecological data to understand the impact of different flows (quantify the effect)
- Understand actual water use (and what difference this makes)
- Advice on other tools / instruments could be used to achieve desired outcomes

The peer review of the modelling has started and will take a few months to complete. Project planning for the other actions, including allocation of tasks, is underway.

BRIDGE Project (Braided River)

The first Ashburton/Hakatere River Reach meeting and field visit was held on 17 July 2018 with a good cross section of people attending and contributing. The project team aim to report back to the River Reach Group in August or September where they will share with the Group the description of the extent of the river bed that has been developed from the discussions with the four River Reach Groups and from independent technical work. There will be a presentation and discussion of information from draft reports identifying the values in the river bed and margins. The Group will identify and discuss how the river bed might be managed to provide for these values, particularly through RMA regulation that would apply to all Canterbury braided rivers.

Eiffelton Community Group Irrigation Scheme's Proposal

Letters to Hinds Drains Working Party members were sent on 13 July and a correction letter was sent 17 July. Feedback was requested by Friday 17 August.

Ashburton Zone Committee Report

Date 24 July 2018
Report to Ashburton Water Zone Committee
From Andrea Richardson & Jason Holland
Subject Omnibus 2019 Plan Change – Hinds Drains Working Party Recommendations

9 Omnibus 2019 Plan Change – Hinds Drains Working Party Recommendations

Purpose

To provide the Committee with an update on the work programme to progress the Hinds Drains Working Party (HDWP) recommendations in the Omnibus Plan Change to the Canterbury Land and Water Regional Plan (LWRP) with a notification date of mid-2019.

Recommendation

The Zone Committee is advised of the update.

Update

The Omnibus 2019 plan change work programme will progress all statutory recommendations provided in the HDWP Recommendations report.

Details on the scope of work is provided in Attachment 1. In summary, the topics include:

- Change the date that the LWRP ‘default’ minimum flow and allocation limits apply from mid-2025 to mid-2030
- Review of the Hinds River allocation limit – Identify all consent holders with current stream depleting groundwater permits and surface water permits to take water from the Hinds River. Assess new allocation limit if Hinds River takes are surrendered.
- Switching Takes from Surface Water to Deep Groundwater (HDWP Recommendation 4.5) - Change the protected available drawdown for assessing well interference effects.
- Accessing Groundwater in the Coastal Strip (HDWP Recommendation 4.6) – New/amended provisions for groundwater takes in a defined ‘coastal strip’ which lies in the Mayfield-Hinds groundwater allocation zone.
- Improved Riparian Management (HDWP Recommendation 4.10) – Apply the stock exclusion rule (LWRP Rule 5.68) to all Main and Secondary Hinds Drains regardless of whether that drain has water in it.

Next Steps

Planning will update the Ashburton Zone Committee on progress with these HDWP topics in September 2018.

Staff note that the August meeting of the Ashburton Zone Committee will include further discussion on the proposal from the Eiffelton Irrigation Scheme (relating to minimum flow and allocation limits for the three drains that convey Eiffelton irrigation scheme water).

9.1 Attachments

- Attachment 1: Scope of work to progress HDWP Recommendations
- Attachment 2: Recommendations 4.5, 4.6 and 4.10

Attachment 1: Scope of Work to Progress HDWP Recommendations

Change of date that the LWRP 'defaults' apply from 2025 to 2030

LWRP Policies 13.4.18-19 direct that until 30 June 2025, any water permit granted in the Lower Hinds Drains to replace an existing water permit will retain the same minimum flows, minimum flow sites and allocation limits (as per LWRP Table 13(e)). After this time a minimum flow of 50% 7DMALF and an allocation limit of 20% 7DMALF will apply unless there is a collaboratively developed flow and allocation regime that has been included in the Plan through a Schedule 1 RMA process.

The purpose of this topic is to provide supporting information to evaluate the appropriateness of changing this date from 30 June 2025 to 30 June 2030. A change of date is worth considering so that flow and allocation setting could occur at a time when more is known about what MAR can deliver for flows in the Hinds Drains, and the results from the Boundary Drain adaptive minimum flow trial. This issue has come up in discussions earlier this year between Environment Canterbury Planners and HDWP members (i.e. it was not in the HDWP recommendation report).

The work will include an assessment of the current surface water allocations (including relevant stream depleting groundwater takes), minimum flow and partial restriction details for all 24 Hinds Drains, and consent durations for all existing consents to take water from each drain.

Review the Hinds River allocation limit

The HDWP have expressed an aspiration to get existing consent holders with takes from the Hinds River (main stem) and the Hinds River South Branch to surrender their takes so that there is no surface water abstraction from the river. Policy 13.4.6 states that water resulting from any surrendered surface water and stream depleting groundwater takes in the Lower Hinds/Hekeao Plains Area will not be reallocated and will be left in the river until the catchment is no longer over allocated. The Hinds River is currently over-allocated.

This is another issue that has come up in discussions earlier this year between Environment Canterbury Planners and HDWP members. Although this topic was not a recommendation in the HDWP report, it does support the implementation of HDWP Recommendation 4.14 which recommends surrender of surface water takes from the river.

The scope of work includes identifying all consent holders that have current stream depleting groundwater permits and surface water permits to take water from the Hinds River. Environment Canterbury will provide the list of these consent holders to the Ashburton Zone Committee in late September 2018 so that members of the HDWP may approach the consent holders to discuss surrender of their takes from the Hinds River. The work will also include an assessment of the ecological effects of reducing the allocation limit in the Hinds River, and assessment of the socio-economic effects of the proposed new allocation limit.

Switching Takes from Surface Water to Deep Groundwater (HDWP Rec 4.5)

The HDWP have recommended changing the 'acceptable'¹ direct cumulative well interference effect from 20% to 25%. This is for the purposes of determining which nearby bore owners are adversely affected due to consent holders of existing Hinds Drains surface water takes and stream depleting groundwater takes switching from shallow groundwater takes to deep groundwater takes. This will

¹ The 'acceptable' direct cumulative interference effect is specified in Schedule 12 of the Land and Water Regional Plan.

increase the allowable adverse effects on the existing groundwater bores and may decrease the number of groundwater bores considered adversely affected during the consenting process.

The scope of work includes an assessment of the effects on ecological flows, stream depletion and well interference effects due to changing the protected available drawdown for well interference from 80% to 75%. In addition, an economic assessment on the impacts on existing groundwater permits due to the change in protected available drawdown will be required.

Accessing Groundwater in the Coastal Strip (HDWP Rec 4.6)

The HDWP Recommendations included detailed provision changes that should apply to groundwater takes in a defined 'coastal strip' which lies in the Mayfield-Hinds groundwater allocation zone.

The scope of work is to assess these proposed provision amendments. In particular, the work includes compiling a resource consent inventory of all groundwater and surface water takes in the 'coastal strip', assessing each option for 'proposal for the coastal strip shallow wells' and 'proposal for the coastal strip surface to groundwater swap' in HDWP Recommendation 4.6 (refer Attachment 2), and then assessing the effects on ecological flows, stream depletion and well interference effects due to each option.

Improved Riparian Management (HDWP Rec 4.10)

The HDWP Recommendations include Riparian Management maps of all Hinds Drains with a legend that classifies them as Main, Secondary, Side Cut, Intermittent or Dongas Drains. HDWP Recommendation 4.10 proposes that LWRP Rule 5.68 (stock exclusion) applies to all Main and Secondary Hinds Drains regardless of whether that drain has water in it. LWRP Rule 13.5.26 is the stock exclusion rule for the Hinds Drains, and only requires stock exclusion (in accordance with Rule 5.68) if the drain has water in it.

The scope of this work is to assess the likelihood of water being in the Hinds Drains in order to determine whether the stock exclusions would apply more or less often under Rule 13.5.26 compared with the HDWP recommendation. The Main and Secondary Hinds Drains will be included in the LWRP Planning Maps. Although the HDWP Recommendations include maps of the Hinds Drains (Hinds Drains Map Series Index), 4-5 of the mapped drains differ to those listed in Table 13(e) of the LWRP. The Planning Maps need to have the same drains as those listed in Table 13(e).

Attachment 2: HDWP Recommendations 4.5, 4.6 and 4.10

4.5 SWITCHING TAKES FROM SURFACE WATER TO DEEP GROUNDWATER

4.5 PRINCIPLES AND EXPLANATION

PRINCIPLES

1. Holders of valid consents that permit abstraction of shallow groundwater (under 30m) that may impact on surface water flows, and holders of valid consents that permit abstraction of surface water will be able to apply to alter these consents to enable abstraction of deep groundwater. The ability to take the shallow groundwater and surface water would need to cease to enable access to the deep groundwater resource.
2. Bores must demonstrate adequate aquifer penetration.
3. Proposed changes to well interference rules will only apply to the Ashburton Hinds drainage area.
4. Principal (1) may not apply to consents along the coastal strip under investigation by the HDWP.
5. MAR is expected to have a positive effect on groundwater levels.
6. The consents in that relate to principle 1 are likely to be the oldest and first consents in the area and many now have the poorest reliability.
7. Consents transferring to deep groundwater will not be granted an increase in seasonal volume by ECan or an increase in irrigated area.
8. Constant rate pump tests are likely to be required in most cases. These will provide robust aquifer parameters to enable reliable well interference assessments to be carried out. It may be possible for a group of applicants to co-fund a test in an area.
9. Consent rate of take may be adjusted, i.e. may be able to increase flow rate, although cannot increase seasonal volume.

4.5 RECOMMENDATIONS

1. Consents transferring to deep groundwater should not be granted an increase in seasonal volume or a change in irrigated land area by ECan.
2. Change the definition of deep groundwater in the area below SH1 as groundwater 50m below the highest recorded aquifer 1 water levels.
3. Bores must be constructed to allow adequate aquifer penetration as described in Appendix C.
4. To assist with the transfer from shallow to deep, enable more flexibility within the ECan Aquifer Test Exemption Guidelines so that aquifer parameters can be used where a test has been carried out within 1000m. This is an increase from the current requirement of 500m.
5. Where the consent being changed from shallow/surface to deep does not stipulate a seasonal volume, a seasonal volume should be applied to the revised consent. This should be calculated taking account of a System Capacity Reduction Factor where the existing consent provides an average application rate of less than 4mm/day.
6. WQN10 well interference should be altered such that the protected available drawdown is changed from 80% to 75%.
7. A three step process is recommended as detailed below:
 - a) Bores must adequately penetrate the aquifer; and,
 - b) Use 75% of the protected available drawdown in Schedule 12 to see if this helps overcome well interference issues. If not, step c may be used:
 - c) If the existing surface or shallow bore consent pre-dates those consents that are affected by well interference, then the well interference effect should be mediated with the following guidelines:
 - All parties must disclose all information regarding allocation and well performance.
 - If the affected parties have 15 meters of available water above their screen during pumping then favour is given to the new applicant.
8. Recommendations 3, 4, 5, 6 and 7 will expire and no longer be available to consent holders when the term of the existing consent expires.

4.6 ACCESSING GROUNDWATER IN THE COASTAL STRIP

4.6 PRINCIPLES AND EXPLANATION

HISTORY

Many farm owners in the Lowcliffe coastal area have had difficulty in accessing deep water as they search for alternative supplies from surface water that is unreliable due to falling water quantity in the drains caused by lack of recharge from the border dyke area upland. Drilling for water has proven problematic due to the amount of sand found at deep levels, and in the instances where water has been located sand has severely restricted yields and in many cases led to pump failure. The recommendation to enable deep water access is intended to enable coastal area consent holders to transfer some or all of their shallow or surface consented volume to deeper groundwater to comply with the intention of Variation 2 to the LWRP. As with other Hinds Drains Working Party recommendations it is intended that the consented land area and annual volume do not change with the swap to deeper groundwater. It is recognised that each case wishing to transfer consent volume will have different circumstances.

SHALLOW WELLS

Due to the changes outlined in the Variation 2 to the LWRP all shallow wells within 2km of a waterway are deemed to be stream-depleting. Many of these shallow wells, being some of the first consents issued for irrigation, do not have conditions tying them to the minimum flow of their nearest waterway. These shallow wells will have minimum flow conditions added to their consents at their next review date, unless it can be proven they are not stream depleting. Proving to be non-stream depleting will be very difficult to achieve.

Having these conditions imposed on the shallow well consents essentially turns them into surface water takes, turning them into an unreliable source of irrigation water, with the current option of exchanging to deep water on these properties a gamble due to sand.

Technical work is provided in Appendix D.

Reference Area

The area concerned is from the coast inland to a parallel line running along Emerson's (and onward to the Rangitata River) and Trigpole Roads and bordered at each end by the Rangitata and Hinds Rivers. There are 14 shallow wells with no minimum flow consent conditions located inside this area (see Table 2 below).

Table 2 Groundwater Consents in Coastal Strip

K38/0098	CRC152713	Lowcliffe Dairies	Pyes Drain
K38/0244	CRC152725	Lowcliffe Dairies	Pyes Drain
K38/0673	CRC971282.3	Hammond	Lowcliffe school Drain
K38/0247	CRC152062	Clearview	Crows Drain
K38/0750	CRC990482	Skibberoan	Harris Drain
K38/0742	CRC110816	Coldstream Farms	Oakdale Drain
K38/0813			
K38/1271	CRC0200101	Fallgate	Oakdale Drain
K38/0875	CRC133211	Beckinson	Oakdale Drain
K38/1054			
K38/1055			
K38/2398			
K38/0001	CRC000956	Winchester	Oakdale Drain
K38/1350	CRC030145	Bowan	Oakdale Drain

4.6 RECOMMENDATIONS

Proposal for the Coastal Strip Shallow Wells:

Option 1

Allow consent holders to transfer part or all of their shallow consented volume to deep ground water. This would enable deeper bores with restricted flow rates to be used alongside an existing shallow bore; there for reducing but not eliminating the take from the shallow bore.

Option 2

Transfer the point of take upgradient and use TSA or pipes to deliver the water to the irrigated area.

Option 3

Grant any landowner wishing to swap from shallow groundwater to deep groundwater a transition period of three years to enable the groundwater supply to be developed into a reliable source (over three years) before shallow water takes are surrendered.

Option 4 – Only if the above options are unsuitable:

Exclude the shallow well consents in this area from having minimum flow conditions imposed at the review date, to enable a source of reliable water to be maintained on these farms.

Proposal for the Coastal Strip Surface to Groundwater Swap:

The Mayfield/ Hinds zone is deemed to be fully allocated for ground water under Variation 2 to the LWRP, with swapping of surface takes (drain and shallow well) to deep to be allowed if relevant conditions of the rule are met.

Option 1

Allow consent holders to transfer part or all of their surface consented volume to deep ground water. This would enable deeper bores with restricted flow rates to be used alongside the existing surface consent; there for reducing but not eliminating the take from the surface consent.

Option 2

Transfer the point of take upgradient and use TSA or pipes to deliver the water to the irrigated area.

Option 3

Grant any landowner wishing to swap from surface to groundwater a transition period of three years to enable the groundwater supply to be developed into a reliable source (over three years) before surface water takes are surrendered.

Figure 10 Coastal Strip as defined by the Hinds Drains Working Party (APPENDIX E)

4.10 PRINCIPLES AND EXPLANATION

BACKGROUND

The Hinds drainage networks function to convey water from the drainage area. This is mostly groundwater from upcountry that enters the system through seeps in the drains and tiles laid to capture water rising through areas of subsoil clays that are thinner or fractured, or water that runs off land during significant rain events. Over the drains' lifetime, aquatic habitats have coexisted with mechanical drain cleaning. Lack of water quantity has been identified as the biggest issue to continuing aquatic habitat in many of the drains; however landowners can make sure their riparian management is not having a negative effect on the water quality in the drains. As a group we have identified that the drains flowing into the Hinds River have an important part to play in the health of the aquatic habitat, and along with proposed enhanced flows we wish to see increased recreational opportunities for the area. The flat topography ensures that sediment does not run directly into the drains outside of big rainfall events, and the flushing that occurs at this time sees sediment carried out to sea by the fast flowing waters. We must be mindful to not promote any rules resulting in substantial or disproportionate mitigation costs or effort for negligible benefits to drain water. Many of our drains have cleaning spoil on one side that acts as a barrier, and depths that ensure a significant grass barrier on the other side from the top of the slope to the drain bed.

Ashburton Zone Committee Report

Date 24 July 2018
Report to Ashburton Water Zone Committee
From Janine Holland
Subject 5 Year Outcomes & Milestones Delivery Quarterly Update – January to March 2018

10 5 Year Outcomes & Milestones Delivery Quarterly Update – January to March 2018

Purpose

To update the committee on the progress towards delivering their 5 Year Outcomes & Milestones in the January to March 2018 quarter.

Summary

This is a quarterly report on progress towards the Ashburton Zone Committee 5 year outcomes for the period January to March 2018. The table below gives key actions against each milestone in the previous quarter, as well as proposed priority actions for the current quarter. The intention of this report is to include actions of all partners, not just Environment Canterbury, who contribute to the milestones as a coordinated way to keep the committee up to date on delivery towards their Outcomes.

Recommendation

The Zone Committee note the update.

Table 1: An overview of the key progress and proposed actions for each of the Ashburton Zone Committees 5 Year Outcomes and Milestones.

Milestones	Contributors	Progress Update - Zone Committee – Jan to March 2018	Priority Actions for April to June 2018
All farmers are operating at Good Management Practice (GMP) or better (Contributes to ZIP recommendation 3.2.7, 3.2.8, 4.2.1-4.3.3)			
Milestone 1.1 - Industry supported extension programme is developed to communicate and promote industry agreed GMP practices – August 2016	ECan	Achieved Four staff members attended MPB workshops in March 2018 in conjunction with DairyNZ and Beef & Lamb. Opportunity to discuss winter grazing practice and on-farm biosecurity.	Implementation of strategy is ongoing, key elements being: - Regular 1-1 meetings with rural professional firms (farm advisors, bankers, real estate agents, etc) to discuss planning rules, tools and support available - Full open meetings with industry as required (i.e. major planning timeframes arrive, extension of new information)
Milestone 1.2 - Prioritise FEP support for higher N leaching farming activities	DairyNZ RDR BCI/Acton Irrigo Federated Farmers FAR Beef & Lamb	On Track Staff attended Deer Industry Association/Landcare Trust FEP audit workshop to provide support. Staff attended Align Longfield Mayfield Hinds Valetta GMP/environmental best practice field day to network and offer support. Land Management Advisor field trip to South Canterbury to view sediment traps, winter grazing, run off and erosion control techniques.	Over 50 ha irrigation and Hinds campaigns ongoing and prioritised support available to get farmers through.

		Zone Committee presentations on Overseer and Ravensdown's management of waitlist.	
Milestone 1.3 - Prioritise FEP support for Arable properties, particularly those outside of irrigation schemes	FAR Environment Canterbury	<p>On Track</p> <p>Hinds campaign provided support through depot drop in sessions 26 April and 2 May 2018 and follow up through to end of year.</p> <p>Investigation of follow up audit demystification workshop for arable audience now planned for spring 2018.</p>	Majority of Hinds properties requiring consent are going through consultants but support is available if required.
Milestone 1.4 - All irrigated properties have an FEP- March 2018		<p>On Track</p> <p>- As per Milestones 1.2 & 1.3</p> <p>Hinds campaign also captured many of these properties with follow up to end of year.</p> <p>PC5 communications package being put together to cover remainder.</p>	As above.

Milestone 1.5 - All irrigated properties to undertake an assessment of the efficiency of their irrigation system with action taken to implement any improvements identified – March 2018	ECan IrrigationNZ RDR BCI Fonterra Synlait Acton Irrigo ECGIS DairyNZ Beef & Lamb FAR Federated Farmers	<p>On Track</p> <p>Majority of properties within irrigation schemes have been assessed as part of their audit process.</p> <p>Independent irrigators will be picked up as part of ongoing FEP/land use consent process this year.</p> <p>Behind</p> <p>Development of advice sheet based on key learnings from summer student programme. Case study profiling by IrrigationNZ.</p>	Meeting with IrrigationNZ delayed due to their bi-annual conference in April.
Milestone 1.6 - Identify opportunities for water user groups	ECan Irrigation consent holders	After science work on the Ashburton River is delivered mid-year, opportunities will be identified for user groups with a connection to the river. User groups within the Hinds catchment will be contacted during the campaign process.	As per first quarter.
Landowners, rūnanga, stakeholders, local authorities and others are working together to protect and enhance biodiversity throughout the zone. (Contributes to ZIP recommendation 2.2.1, 2.2.10, 2.2.22, 2.2.29, 2.2.30, 2.2.32, 2.2.35, 2.2.36, 3.2.3)			
Milestone 2.1 - Ashburton District Council Biodiversity Working Group continues to provide a forum for coordination of biodiversity work programmes across the zone– Annually to 2021.	ADC Forest & Bird Fish & Game QEII DoC ECan Federated Farmers	<p>On Track</p> <p>Joint meeting between ADC, ZC and ZT on biodiversity initiatives in the district. Several actions resulted including;</p> <ul style="list-style-type: none"> -investigation of signage/comms -greater alignment of ECan/ADC processes -improved collaboration between agencies on biodiversity priorities - focus on dryland vegetation opportunities 	<p>The working group is looking at moving onto a High Plains survey.</p> <p>Successful planting day at Wakanui Beach.</p> <p>Selwyn DC Biodiversity advisor spoke at working group about his work.</p> <p>Some working group members made submissions to ADC Annual Plan process</p>

			seeking support for increased biodiversity officer hours in zone.
Milestone 2.2 - Priority weed and pest control for braided river bird habitat in the Rakaia and Rangitata Rivers is implemented with support from Regional Immediate Steps funding – Annually to 2021	Upper Rangitata LCG CWMS RC OTOP ZC AshZC DOC ECan	On Track Staff member attended flight to identify areas of weed control carried out last year/looking at programme development for 17/18. Finalisation of this season's control operation results underway. Report released soon to interested parties.	Staff are in discussion with DOC, LINZ and ECan to look at programme for 2018/19 season and review 2017/18 season
Milestone 2.3 - Develop a programme to support the management of biodiversity values in two priority areas, including the foothills. Support on the ground changes via Immediate Steps funding – July 2017	AZC ECan Various landowners	On Track - Looking at all allocated funding being spent with increased projects on Harding Stream and many new projects in the foothills area.	5 Star Beef have a project in a donga on the coast. It has been difficult to get projects in this area so hoping this will give us a window of opportunity. Donna Field attended a meeting with 5 star and Forest&Bird and is progressing project A proportion of the 2018/19 funding has been pre-allocated which has led to biodiversity advisors putting greater priority on protection rather than creation projects.

Milestone 2.4 - Two sites are primarily managed for mahinga kai, including one outside of Hinds catchment – July 2017 (incorporates HDWP Rec 4.12)	HDWP Arowhenua ECan	<p>Behind</p> <p>Discussions to continue with Arowhenua as to preferred criteria for possible alternative mahinga kai sites. Investigation of further possible site.</p> <p>Four potential sites for Mahinga Kai identified by summer student's work. Next stage is to more fully investigate sites and liaise with Arowhenua once we have identified.</p>	<p>Liaison with Arowhenua and Tuahuriri has started and one site has been visited and when rununga are available other sites will be visited.</p> <p>Former Ashburton Zone Manager Donna Lill contracted to progress Mahinga Kai work in the Hinds catchment.</p>
Milestone 2.5 - Increase community awareness of the nature and value of biodiversity	ECan Ashburton District Biodiversity Working Group partners	<p>On Track</p> <p>- Advertisements in papers alerting people to trapping and rationale (river bird protection) Summer student's work raised profile of spring heads along the Ashburton River.</p>	Zone committee approved funding of Staveley Bush Camp project which does a lot to increase community awareness.
Milestone 2.6 - Trustpower funding is unlocked for Rakaia enhancement projects – 2016	TrustPower Rūnanga (Tuahuriri and Arowhenua) AZC SWZC ECan DoC	<p>Achieved</p> <p>- Receive regular updates from zone committee representative on funding committee.</p>	Major project being undertaken in the Rakaia Gorge with a recreational and biodiversity emphasis.
<p>Improve the ecosystem health of the Hakatere/ Ashburton River. (Contributes to ZIP recommendation 1.2.1- 1.2.6, 1.2.8, 2.2.29-2.2.31, 3.2.1, 4.2.8-4.2.10, 4.2.14)</p>			

Milestone 3.1 - Develop a strategy to ensure that the flow regime for the Ashburton River is achieved	AZC ECan ADC	On Track - ZC supported modelling of Ashburton River flow regime to be undertaken.	Technical work underway and interim results delivered mid-year. Proposed LTP includes budget for potential consent review.
Milestone 3.2 - ADC develop and implement a strategy to reduce stock-water take to 2,900L/s by no later than 2023- date tbc	ADC	On Track Council provided an update on its progress toward meeting the reduction in stockwater take at October 2017 meeting. This presentation indicated it at or near the required target.	Continue with strategy as outlined in ADC Long Term Plan. Council is currently developing a surface water strategy which will encompass the stockwater activity as well as other surface water matters.
Milestone 3.3 - Identify source of spikes in E-coli at SH1 and determine if an action plan is required - May 2017	ECan	On Track - Continue faecal source tracking over summer months at SH1. Results presented to committee monthly.	EColi was monitored weekly over summer months. Elevated samples tested for faecal source tracking.
Milestone 3.4 - Priority weed control work for braided river bird nesting habitat is completed with support from Zone Immediate Steps Programme – annually to 2021	AshburtonZC ECan Forest & Bird DoC	On Track - End of season habitat protection meeting in March 2017 was well attended with favourable results for habitat and bird breeding, mainly due to high flows in river. People are looking forward to coming season and it was agreed to undertake island creation and weed control as well as pest control. The trapping IMS funded project went very well with the funding for fuel much appreciated. Successful trapping season by volunteers with a high fledgling rates for gulls and terns.	Talking to DOC and other external agencies around arrangements for volunteers for 2018/19 season. Will continue with SBBG control this season

Milestone 3.5 - Develop a streamlined pathway to enable swaps from surface water/ hydrologically connected groundwater permits to deep groundwater or scheme water – Feb 2017	ECan	Achieved <ul style="list-style-type: none"> - Consenting requirements known and applications being processed as received - Extra support provided with consent planners available in Ashburton monthly 	Consent planner in Ashburton office every week.
Milestone 3.6 - Understand the health of Carters Creek and identify opportunities to improve ecosystem health	AZC ECan ADC	On Track <p>Stormwater sumps leading to Carters Creek in McMurdo, Thomson & Grove Streets have been upgraded and fitted with a litter bag. Contractor reports that after 8 months of operation the amount of material (grit and litter) being captured is negligible. Monitoring will continue in the meantime. May look to extend upgrade works to other road sumps in Melcombe Street to address discharges to Carters Creek and Regional Council drain as budgets permit. Further discussion needed with NZTA in regard to sumps on SH1 (Archibald Street).</p> <p>On site meeting held with stake holders, ECan's River Engineering Field Services team and biodiversity representatives to discuss on going management. Major clean out of feeder drains into Carters Creek by ECan staff will help with quality and flow. Follow up meeting initiated by ZC facilitator to discuss further science monitoring work.</p>	Water samples have been taken from different areas on Carters Creek and are being analysed. Project plan for monitoring and sampling programme for remainder of 2018 being developed. Monitoring to start August.

Milestone 3.7 - ADC develop an integrated stormwater management plan	ADC	On Track ADC will shortly submit their new area-wide stormwater resource consent application.	Council has submitted its new area wide stormwater resource consent application. Work continues on developing a surface water strategy which will encompass the stormwater activity.
Hinds River and Drains are managed in a way that provides for multiple needs/interests. (Contributes to ZIP recommendation 2.2.3, 2.2.17, 3.2.3, 4.2.3, 4.2.14, 4.2.9, 4.2.10)			
Milestone 4.1 - Managed aquifer recharge and targeted stream augmentation trials have been completed- 2021 (Incorporates HDWP Rec 4.7)	RDR ADC MHIS VIL BCI ECIS Golder MPI Lincoln Agritech CBH Tarbottons ECan	On Track - Year 1 pilot project complete - Near River recharge trial underway. TSA scholarship underway via Waterways Centre for Freshwater Management. Actions from HDWP meeting in October 17 followed up. Zone facilitator provided brief report to committee on meeting. HDWP will present to a future meeting of ZC.	Planting of eco-sourced plants to take place Spring 2018 at the near river recharge trial site. MAR Governance Group secured ongoing access to water for the MAR trial with ADC.
Milestone 4.2 - Next steps following the MAR and TSA trial are identified including funding mechanisms and the development of an ongoing programme- 2021		On Track - Consents for further trials being sought. Trials will then be initiated in 2018. 18 trials underway and Governance Group focus on building business case for catchment scale scheme.	
Milestone 4.3 - Programme to identify and remove, where appropriate, fish barriers – annually to 2021	ECan Fish & Game DoC	On Track - Staff have undertaken field trips to assess barriers and identify ones for removal. Focused on one drain. More research required into where these are appropriate.	Former Ashburton Zone Manager Donna Lill contracted to progress this work.

Milestone 4.4 - Develop a programme to increase community awareness of the importance of well head protection - July 2019	ECan	Achieved - Joint letter with CPH to help users understand risk & actions to minimise risk distributed. Consider further actions to increase number of landowners undertaking water quality testing.	
Milestone 4.5 - Habitat extent of known mudfish populations is quantified. In addition, surveys are conducted to identify new habitats and populations and assessments are subsequently made to determine if remediation/enhancement of sites is appropriate – July 2018	DOC	On Track - Resurveying of drains for juvenile fish by DOC.	
Milestone 4.6 - Develop a streamlined pathway to enable swaps from surface water/ hydrologically connected groundwater permits to deep groundwater or scheme water – June 2017	ECan	Achieved - Extra support provided with consent planners available in Ashburton monthly.	
HDWP Rec 4.3 – Adaptive Minimum Flow Habitat Trial – Boundary Drain	Boundary Drain landowners F&G ECan Arowhenua	On Track - Trial consent has been exercised for this irrigation season. Implementation of monitoring plan for trial.	Former Ashburton Zone Manager Donna Lill contracted to progress this work. Meetings set up with consultant Mark Everest and Boundary Drain Trial farmers for July 2018.
<p>The urban and rural community understand the environmental, economic and social trends occurring in the zone and there is widespread ownership of catchment health. (Contributes to ZIP recommendation 2.2.6, 2.2.11, 2.2.24, 2.2.34, 3.2.2)</p>			

Milestone 5.1 - Receive an annual update on the economic and social trends occurring in Ashburton Zone	ECan ADC	On Track - Report complete and online.	
Milestone 5.2 - Receive quarterly reporting on water quality and quantity monitoring results	ECan	On Track - Recently received update on nitrate levels. Fish and Game to present fish monitoring and habitat enhancement monitoring results in early 2018. Science to report on water quality and ecosystem health monitoring.	Ashburton Zone staff attended Federated Farmers high country field day event in March and followed up with information about ECan's water sampling programmes in the area. A site meeting was organised for July 2018.
Milestone 5.3 - Create opportunities to involve schools in waterway and wetland enhancement and/or monitoring projects	AZC ECan	On Track Students involved in community planting day on Ashburton River. Ash College students attended Environmental Hui at ECan. ZC to have conversation with Ashburton College about involving their students in environmental management in 2018.	
Milestone 5.4 - Regular media articles from ZC to profile zone implementation work	AZC ECan	On Track - 12 articles relating to ZC work	Three month communications plan includes two to three articles/advertisements per month.
Milestone 5.5 - Landowners in north Ashburton area understand the catchment health in their area and know what actions can be	AZC ECan Primary industry bodies	Started - Review of science to date. Technical team established and project manager appointed.	Sub regional project for North Ashburton area has been delayed. Scheduled for 2022 in LTP.

taken to make improvements – July 2019			
Milestone 5.6 - Improve community understanding of drinking water supplies, including actions to minimise risk	CPH ECan	On Track - Joint letter with CPH to help users understand risk & actions to minimise risk distributed.	Consider further actions to increase number of landowners undertaking water quality testing in tandem with awareness-raising initiative.
HDWP Rec 4.15 – Undertake a quality and habitat monitoring programme until Hinds Plan review period to determine the effects of actions taken	HDWP F&G ECan DairyNZ FAR Beef & Lamb DoC	On Track - Sampling on going	Sampling ongoing.

Table 2: Update on Status of Immediate Steps Biodiversity Projects funded by the Ashburton Zone Committee

Project Name	Brief description	IS funding allocation	Status (30 June 2017)
Approved 2011 3 Projects			
Glenariffe Stream	Fencing	\$20,000	Completed.
Lake Heron	Fencing	\$14,000	Completed.
Upper Rakaia River - Whitcombe Landcare Group	Weed control	\$10,800	Completed.
Approved 2012 6 Projects			

Gawler Stream and Wetland	Fencing, weed control	\$26,644	In progress. Ongoing maintenance, weed control & infill planting.
Pudding Hill	Fencing, weed control	(\$8,133)	Funding retracted as landowner decided not to go ahead with QEII covenant.
Pudding Hill - Kahikatea Wetland	Fencing	\$3,500	Completed.
Swamp Grass and Track Paddock Wetlands	Fencing	\$14,475	Completed.
Upper Rangitata River - Department of Conservation	Weed control	\$20,000	Completed.
Vehicle Management Upper Rakaia	Signage	(\$4,500)	Funding placed back in the pool (see previous updates). May be reviewed in the future, the current signage not considered sufficient.
Approved 2013 10 Projects			
Ashburton/Hakatere River Vehicle Gates	Install vehicle access gates	\$4,359	Completed.
Black Hill Station Blackberry Control	Weed control	(\$12,000)	Applicant withdraw from funding
Glenfalloch Wetlands	Fencing, planting	\$20,250	In progress.
Harris Scientific Reserve Plantings	Plant propagation, planting	\$5,320	Project completed. Awaiting audit.
Lincoln Hills Wetland	Fencing, planting	(\$13,700)	Applicant withdraw from funding
Mount Hutt Wetland	Fencing, planting	\$33,800	Fencing & planting completed. Ongoing maintenance.
Mount Somers Biodiversity Project	Fencing, planting	\$26,605 \$21,605	In progress. All fencing completed. Planting funding removed from agreement as wanting to see what natural regeneration occurs.

South Rakaia Huts Domain	Weed control, planting	\$4,000	Completed
Upper Rakaia River Phase 2 - Whitcombe Landcare Group	Weed control	\$20,650	Contracting and weed control work in progress.
Woodvale Road Wetland	Fencing, planting	\$5,000	Completed
Approved 2014 7 Projects			
CaREx Waterway Rehabilitation - Ashburton Forks	Planting	\$11,220	Completed
CaREx Waterway Rehabilitation - Harris C Drain	Planting, weed control, re-battering	\$23,380	Completed
CaREx Waterway Rehabilitation – Boundary Drain	Planting	\$3,962	Completed
Woodvale Road Wetland Stage 2	Fencing, planting	\$8,860	Completed
Flynn Stream Enhancement	Fencing, planting	\$8,250	In progress. Planting completed, ongoing maintenance.
Darra Downs Restoration	Fencing, planting	\$8,293	Completed
Somerview Restoration	Fencing, planting	\$8,038	In progress. Planting completed, ongoing maintenance.
Approved 2015 11 Projects			
Coldstream and Wetland	Fencing, planting, earthworks	\$5,605	In progress. Fencing, bank battering and planting completed. Ongoing maintenance.
Taylors and Windermere Drains Habitat Enhancement	Instream enhancement	\$5,400	Completed. Ongoing monitoring only.
Okawa Wetland	Planting	\$12,925	Completed
Upper Rangitata River Predator Control Project	Predator control	\$23,000	In progress.

Staveley – Westray Farm Poaka Kahikatea Bush Protection	Fencing	\$9,520	In progress.
Coldstream Creek and Coastal Wetland	Fencing, planting, weed control	\$3270	In progress. Planting completed, ongoing maintenance.
Upper Flynn Stream Enhancement	Fencing, planting	\$8,800	In progress. Planting completed, ongoing maintenance.
Harding Creek Riparian Restoration	Fencing, planting	\$7,288	In progress. Planting completed, ongoing maintenance.
Yatemans Waterway Rehabilitation	Fencing, planting	\$32,078	In progress. Planting completed, ongoing maintenance.
Mt Harding Creek Enhancement	Planting	\$5,970	In progress. Planting completed, ongoing maintenance.
Silverstream (Anama) Planting	Planting	\$24,300	In progress. Year 1 planting completed.
Approved 2016		9 Projects	
Coldstream and Wetland Stage 2	Fencing, planting, weed control	\$20,450	Landowner agreement completed. Seed eco-sourced for planting in autumn 2017.
Flynn Stream Stage 2	Weed control, planting	\$8,688	Completed
Upper Flynn Stream Stage 3	Fencing, planting	\$10,000	In progress. Fencing completed.
Smith River Terrace	Fencing, planting	\$10,000	In progress. Fencing & planting completed. Ongoing maintenance
Limestone Creek Wetland	Fencing	\$5,000	Completed
Lincoln Hills – Mudfish Habitat	Fencing, planting	\$9,510	Landowner agreement in progress.
Surrey Hills Mudfish Project	Fencing	\$1,950	Landowner agreement in progress.
Okawa Wetland Stage 2	Planting	\$10,000	Completed, ongoing maintenance.
Somerville 2 Wetland Dryland Terrace	Fencing, Planting	\$3,000	Completed
Approved 2017		9 projects	

Wilkins Road Spring	Planting	\$8,455	In progress
Halford Harding Stream	Planting	\$7,798	Completed
Thornton Wetland	Planting/weed control	\$22,495	Landowner agreement in progress.
Harding Creek Riparian Restoration – Stage 2	Planting	\$5,376.15	Completed
Staveley Bush Camp Weed Control	Weed control	\$5,600	Completed
Blink Bonnie Restoration Project	Fencing, planting, weed control	\$22,520	Implemented
Davies Limestone Creek – Stage 1	Fencing, planting	\$9,980	Landowner agreement in progress
Green Acres Bowyers Stream planting	Planting	\$6630	Completed
Staveley Petrie trapping	Trapping	\$2764	Completed
Approved 2018			
Lower Ashburton River Trapping Programme	Trapping	\$7,475	Completed
Upper Rangitata River Predator Control project	Trapping	\$13,333/yr	In progress
Upper Flynns Stream Enhancement – stage 4	Planting	\$5000	Completed
Upper Rakaia River Predator Control project	Trapping	\$13,333/yr	In progress
Greenlea Trust Lilley	Planting	\$2,400	In progress
Mt Harding McIntosh Dairies	Planting	\$9,994	In progress

McDonald Wetland	Planting	\$4,635	In progress
Staveley Stream Morrows	Planting	\$9,950	In progress
Eiffelton Biodiversity Water Supplementation	Water Supplementation	\$10,000/yr	In progress
Staveley Forest Restoration 3	Weed Control	\$18,200/yr	In progress
TOTAL at 30 June 2018	65 Projects	\$699,098	From available funding of \$100,000/yr

11 Reports for Committee Information

11.1 Consents Update

CONSENTS UPDATE – July 2018 – ASHBURTON ZONE		
CRC#/Applicant/Description	Activity type	Status
<p>CRC184710 – CRC184715 - Mr J W Skevington and Ms J P Ruane – Multiple applications for consents associated with a 35 lot subdivision at 36 Huntingdon Avenue, Huntington, Ashburton District:</p> <ul style="list-style-type: none"> • CRC184710, land use consent to use land for earthworks and construction of culverts. • CRC184711, discharge permit to discharge construction phase stormwater to land and water. • CRC184712, discharge permit to discharge operational phase stormwater to land and water. • CRC184713, discharge permit to discharge dust to air associated with earthworks (stockpiling of soil). • CRC184714, water permit to take water for dewatering purposes. • CRC184715, discharge permit to discharge water to water for dewatering purposes. 	Multiple	In process
<p>CRC170651-CRC170662 – Rangitata Diversion Race Management Limited – Klondyke storage application for 10 m³/s Rangitata River take and 53 Mm³ storage pond.</p> <ul style="list-style-type: none"> • <u>CRC170651</u> – a land use consent for earthworks on the lower terrace, adjacent to the Rangitata River, to create a six hectare ecological refuge comprising of one hectare of lizard habitat, two hectares of native planting and three hectares of constructed wetland. In addition, the earthworks are required to construct the gully race, drop structure for the whitewater course and the river outlet channel. • <u>CRC170652</u> – a land use consent for earthworks to construct the 53M m³ storage pond; to upgrade part of the RDR Canal; and to construct a 460 m long fish bypass channel. • <u>CRC170653</u> – a land use consent to disturb, and to remove vegetation from, the bed of the Rangitata River for the purposes of constructing a sluice outlet and fish bypass channel. 	Multiple	In process - Hearing adjourned

<ul style="list-style-type: none"> • CRC170654 – a water permit to abstract an additional 10 cumecs from the Rangitata River, when the flows exceed 142.6 cumecs (as measured at Klondyke). • CRC170655 – a water permit to take and use surface water at a rate not exceeding 0.5 cumecs from the RDR canals for construction purposes (i.e. dust suppression). • CRC170656 – a water permit to take groundwater for dewatering purposes. Dewatering will only be required on the lower terrace where earthworks are being undertaken to create the ecological habitat. • CRC170657 – a water permit to dam up to 53M m³ of water outside of the riverbed. • CRC170658 – a discharge consent to discharge dust to air from construction activities. • CRC170659 – a discharge consent to discharge contaminants to air from the combustion of diesel. • CRC170660 – to discharge construction-phase stormwater and dewatering water to land via sediment retention ponds and soakage pits. • CRC170661 – to discharge water and sediment from the storage pond to the Rangitata River via a sluicing channel. • CRC170662 – to temporarily discharge water and sediment in the Rangitata River as a result of the works to be undertaken under resource consent CRC170653. 		
<p>CRC182535 – CRC182542, CRC182630 & CRC182631 Rangitata Diversion Race Management Limited. Second suite of applications relating to CRC170651-CRC170662 which come about primarily due to the change in fish screen design.</p> <ul style="list-style-type: none"> • CRC182535 to discharge water from the take authorised under CRC182536 and suspended sediment to the river via the fish bypass return • CRC182536 For a non-consumptive take of up to 5 cumecs of water from the Rangitata River associated with the operation of a fish screen. • CRC182537 to disturb the bed of the Rangitata River for the construction of the fish bypass outlet • CRC182538 to temporarily discharge sediment to the Rangitata River as a result of the construction and maintenance of the fish bypass outlet 	Multiple	In process – hearing adjourned

<ul style="list-style-type: none"> • CRC182539 to extract gravel for the construction and periodic maintenance of the fish bypass outlet • CRC182540 to use land for earthworks over an aquifer • CRC182541 the emergency discharge of water to the Rangitata River • CRC182542 to change conditions of CRC011237 to enable an alternative fish screen design consisting of a Mechanical Rotary Fish Screen to be used. • CRC182630 To use water for storage • CRC182631 to use water under CRC170654 for irrigation and stockwater purposes, and to generate electricity at Montalto and Highbank Power Stations. 		
Dairy consents		
CRC176345 – Benjamin Lewknor Johnson – Discharge dairy effluent and to use land for effluent storage	Dairy discharge Land use to store effluent	In process
CRC176106 - Landcorp Farming Limited - dairy discharge	Dairy discharge	Granted
CRC182325 – CRC182333 – DHL	Change of conditions to multiple consents to increase volumes (some of which are in the Ashburton District)	Granted
CRC183853 – Snowfed farm Limited	Dairy discharge	In process
CRC183992 – Pencarrow Farm Ltd	Change of conditions to expand discharge area	In Process
CRC182327 – Somerton Dairy Farm	Increase cow numbers	Granted
CRC185171 – Mr T J & Mrs D J Walsh	Change in conditions to extend timeframe for potentially remove condition 3 of CRC141481	In process
CRC185685 – Arlanda Limited	Combine two existing discharge permits, proposal also includes consent for stockholding area (CRC number not yet requested).	Returned under s88

CRC185417 – Theland Purata Farm Group Limited	Install feedpad and other infrastructure (loafing pad etc.) resulting in increase in stored and applied effluent volume.	In process
Farming Consents		
CRC180919 – Mr M N & Mrs J J Russell – FLU	Farming Orange Zone	In process
CRC183716 – Mr AJ & Mrs KM Chapman	Farming Green Zone	In Process
CRC176613 – Wallaura Farm Ltd – Use of land for farming	Farming Orange Zone	In process
CRC180059 – Whyte Farming Company (Mt Possession Station) – Use of land for farming – Sensitive, green, upper hinds, orange	Farming Sensitive, Green, Upper Hinds, Orange Zones	In process
CRC181892 – Green Street Irrigation Scheme	Discharge of nutrients	Withdrawn
CRC181179 – Mr N K & Mrs K L Hammond	Farming land use – Lower Hinds	In process
CRC182416 – RDGP Limited	Farming land use – Hinds-Rangitata NAZ	In process
CRC182918 – Termora Downs	Farming Land Use – Upper and Lower Hinds	In process
CRC182730 - Jeffrey Harold Bennett	Farming land use – enterprise within orange NAZ	In Process to withdraw
CRC184159 – Barrhill Chertsey Irrigation Limited	<u>Discharge permit</u> for the discharge of nutrients onto or into land from the properties within the irrigation scheme.	In process
CRC183851 - MHV Water and Ashburton Lyndhurst Irrigation Ltd	Discharge permit – discharge of nutrients (replicate of CRC121664.1 with non-concurrent condition)	Granted
CRC185024/CRC185857 – MHV Water Ltd	Discharge permit – discharge of nutrients	In process

CRC185469 - Ashburton Lyndhurst Irrigation Ltd	Discharge permit – discharge of nutrients	In process
CRC184866 – South Rakaia Irrigation Partnership	Discharge permit – discharge of nutrients	In process
CRC183847 – Busch Farms Ltd	Use land for farming	Granted
CRC184585 – Bonar Farms Limited	Use land for farming – Ashburton Red NAZ	In Process
CRC184488 – Mr TJ & Mrs MA O’Neil	Use land for farming – Ashburton Red & Green NAZ	In Process
CRC184641 – Waimarama Farming limited	Use Land for farming – Lower Hinds Red NAZ	In Process
CRC184486 – Mr RIC Mackenzie	Use Land for farming – Lower Hinds Red NAZ	Granted
CRC185054 – Le Mee Farms Limited	Use Land for Farming – Red NAZ	In process
CRC185230 – Glen Orchy Dairies Limited	Use Land for Farming – Red NAZ	In process
CRC185058 – Mr J A & Mrs L S Procter	Use Land for Farming – Red NAZ	In process
CRC185048 and CRC185050 – Gregory Partnership	Use Land for Farming – Orange (CRC185048) and Hinds (CRC185050)	In process
CRC185654 – Allison Investments Limited	Use Land for Farming – Red NAZ	In process
CRC185827 – Terracostosa Limited	Use Land for Farming – Red NAZ	In process
CRC185443 - Mr & Mrs A F & O P Mowat	Use Land for Farming – Lower Hinds	Granted
CRC185261 – Turpie Farms Limited	Use Land for Farming – Red NAZ	Sent to decision
CRC185665 - Graham Alastair Young	Use Land for Farming – Red NAZ	In process

CRC185682 - Hendrikus Adrianus Maria Koopmans	Use Land for Farming – Red and Green NAZ	In process
CRC185684 – Arlanda Limited	Use Land for Farming – Red and Green NAZ	In process
CRC185978 – E G Perkins Limited	Use Land for Farming – Lower Hinds	In process
CRC185567/CRC185730 – Cleardale Station Limited	Use Land for Farming and incidental discharge of nutrients	Granted
CRC184866 – South Rakaia Irrigation Partnership	Use of land for farming	In process
Land Use Consents		
CRC167731-2 – Erralyn Farm Limited – Renew consent for flood protection works and to divert water within Rakaia River bed – Applicant is providing further information regarding the proposal (no update from previous).	Land use and diversion of water	Granted
CRC181789 & CRC181790 - Tullyhue	Realignment of a section of Wakanui Creek, vegetation clearance and reduction of a wetland.	In process
CRC185412 – Ashburton Lyndhurst Irrigation Limited	To excavate over an aquifer for construction of a dam	In process
CRC185431 – Ashburton Lyndhurst Irrigation Limited	To excavate over an aquifer and to take drainage water for the construction of a dam (discharge of drainage water is permitted)	In process
CRC184193 – Lake Extension Trust Limited	Earthworks and culvert installation at Lake Hood	In process
CRC185175 – Melrose Dairy Limited	Earthworks for construction of small irrigation water storage dam and supply race from MHV Water Limited canal.	In process
Gravel Consents		

Water consents		
CRC164641 ; CRC174196 – Lake Extension Trust Limited – Application to take and return discharge additional 0.9 m ³ /s non-consumptively from the Ashburton River. Applicant expecting to provide further information requested in May.	Take and discharge surface water	In process
CRC180011 – Mr G W J & Mrs E L Small – water permit	Take and use water	In process
CRC176108 – Kohique Farms Limited – groundwater permit renewal	Take and use Groundwater renewal	In process
CRC182469 - Moir Farms Maimai Limited	Take and use of groundwater renewal application	In process
CRC180404 – Bellwin farms	SWAP	In process
CRC180405 – Raynham Dairies	Change conds of CRC001700	In process
CRC180406 - Mr & Mrs Townshend	Change conds of CRC146157	In process
CRC181329 – Bellwin Farms Limited	Transfer CRC180405 – to take and use GW	In process
CRC181329 – Bellwin Farms Ltd	To amalgamate CRC180404, CRC181324, CRC181325 & CRC146089	In process
CRC183275, CRC183276 – Busch Farms Limited	Renewal of groundwater take and change of conditions	In process
CRC181795, CRC181796, CRC181797 – Lowecliffe Dairies Ltd	SWAP and amalgamation	In process
CRC181477 – Wairepo Dairy Ltd	To take and use GW	Returned under sec 88
CRC183040 - DI & LW Molloy	Change of conditions to CRC175104 to increase 7-day volume	In process
CRC180771 – CRC180816 - DHL	Change of conditions to multiple consents to increase or remove daily volume restrictions (some of which are in the Ashburton District)	Granted
CRC183850 – MHV Water and Ashburton Lyndhurst Irrigation Ltd	To take and use water from the RDR	Granted

CRC143122 – Retell Holdings Limited	To take and use groundwater	In process
CRC150232 – Barhill Chertsey Irrigation Ltd	To take, use and divert surface water	In process
CRC175779 - Mr GS & Mrs J M Lovett	Change conditions of CRC171382 – to take and use groundwater	Returned under sec 88
Discharge to air consents		
CRC181087 – Orwell Dairies Limited – Discharge to air from sheltering barn for cows	Discharge to Air	In process
CRC182443, CRC182444, CRC182445, CRC182742 – Highway Holdings Limited – Discharge consents and change of conditions for water permit (chicken farm)	Discharge to air and land + groundwater change in conditions	Granted
Wastewater consents		
CRC185119 – Mrs D A & Mr H K Whelan	Discharge On-site wastewater to land	In process
Stormwater consents		
CRC186263 – Ashburton District Council – Reticulated Stormwater Network Discharge Consent	Discharge of stormwater into land and surface water within the Ashburton District.	In process
CRC181486 – Rural Transport Limited – Stormwater	Discharge stormwater	In process
CRC184544 – Rooney Holdings Limited – change of conditions to existing stormwater discharge permit CRC182114.	Discharge stormwater	In process
Bore permits		
Discharge Water to Land		
CRC183882 – Canterbury Regional Council	Application to discharge water to water for managed aquifer recharge purposes	Granted
CRC184617 – Canterbury Regional Council	Change of conditions to CRC162191	Granted

CRC186228 – Canterbury Regional Council	Application to discharge MAR water at the Hinds Near River Project Site	In Process
Discharge sediment or sediment-laden water to surface water		
CRC183405 – Erralyn Farm Limited (associated with approved consents CRC167731 and CRC167732)	To discharge sediment originating from within the bed of the Rakaia River associated with the installation, maintenance and use of defences against water	In process
Works within a riverbed		
CRC185358, CRC185359, CRC185360 – Ashburton District Council	Replacement of sewer pipeline and construction of pump station adjacent to the water treatment plant	In process

Ashburton Zone Committee Meeting

Tuesday 24 July 2018

Timetable		
Time	Item	
10:30 am	Meeting Commences	
11:30 am to 1:00 pm	Meeting adjourns to attend “The Canterbury Farming Good Management Practice Story	
1:35pm	Meeting recommences	
2:05 pm	Meeting concludes	

Order of Business

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