From: Susan Hall
To: Mailroom Mailbox
Subject: further submission PC 7

**Date:** Friday, 6 December 2019 9:56:46 AM

Please find attached our further submission on Plan change 7

Kind regards Susan Hall



## Further Submission on Plan Change 7 to the Canterbury Land and Water Regional Plan

| FOR OFFICE USE ONLY |
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Form 6: Further Submissions in support of, or in opposition to, submission on a Publicly Notified Proposed Policy Statement or Regional Plan under Clause 8 of Schedule 1 of the Resource Management Act 1991.

Return your signed submission by 5.00pm 29 November 2019 to:

Customer Services Environment Canterbury P O Box 345 Christchurch 8140 by email to <a href="mailroom@ecan.govt.nz">mailroom@ecan.govt.nz</a> with "Plan Change 7 LWRP Further Submission" in the subject line

| Phone (Hm): 03 3181506                               |  |  |
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| Phone (Wk):  |  |  |
| Phone (Cell): 0212808548                             |  |  |
| Postcode: 7571                                       |  |  |
| Fax:   |  |  |
| ng submission (if different from above):             |  |  |
| ick the option that applies to you:                  |  |  |
| ic interest; or                                      |  |  |
| reater than the interest the general public has (for |  |  |
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Please note: any person making a further submission must serve a copy of that submission on the original submitter no later than five working days after the submission has been provided to Environment Canterbury. If you have made a further submission on a number of original submissions, then copies of your further submission will need to be served with each original submitter.

| C. Hall  |                  |   |  |  |  |
|--|------------------|---|--|--|--|
| Signature:   | Date: Dec 6 2019 | _ |  |  |  |
| (Signature of person making submission or person authorised to sign on behalf of person making the submission) |                  |   |  |  |  |
| Please note:   |                  |   |  |  |  |

| (1) all information contained in a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management Act 1991, including names and a submission under the Resource Management |  |
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| (1) I support or oppose the submission of:                                      | (2) The particular parts of the submission I support or oppose are:   | (3) The reasons for my support or opposition are:  | (3) I seek that the whole or part [as per column 2] of the submission be allowed or disallowed: |
|---|---|--|---|
| Name & postal address of original submission                                    | Submission point reference number i.e. 4.23   | Provide reason for support or opposition   | Allow or disallow   |
| Graham Fenwick, 20 Derenzy Place,<br>Christchurch 8042                          | Support Submission points 2:11, 9 Definitions 2.11,9 Indigenous Freshwater Species habitat 4:15-16, Table 1 4.18, 61 4:19, 99 5:52 – 53, 191 Section 6 to Section 14 Schedule 8: 201 Groundwater Schedule 32: 218, 2.b. iv. Schedule 32: 218, 5 | Our group is concerned that the Plan does not adequately consider the protection and maintenance of indigenous and endemic species that inhabit the aquifers. Given that Canterbury's groundwater is the region's largest freshwater environment with substantial biodiversity and important ecosystems, it is a serious omission not to include a table or discussion of freshwater outcomes for groundwater.  The proposed Managed Aquifer Recharge projects have the potential to adversely affect endemic aquifer species, therefore the following new point h. should be added to the Plan. Adverse effects on the biodiversity and ecosystem functioning within the recharged aquifer from potentially invasive (exotic and indigenous) species are eliminated.  The Plan will be strengthened and clarified if all the submission points, terms and definitions submitted by Mr Fenwick are included in the Plan. | Allow   |
| Te Rūnanga o Ngāi Tahu<br>C/- Mathew Ross<br>PO Box 13 046<br>Christchurch 8141 | Support Submission points 4.14 to 4.19 Managed Aquifer Recharge   | The inclusion of specific provisions and clear regulatory requirements for Managed Aquifer Recharge (MAR) are necessary if the potential adverse effects on source water bodies and receiving surface and aquifer water bodies are to be avoided.  | Allow   |

| Royal Forest and Bird Protection Society  | Support  Forest and Bird's submission in total. | Forest and Bird's submission points address current pollution and overallocation of the region's freshwater resource and seeks to improve outcomes for Canterbury's indigenous biodiversity and indigenous ecosystems.  Our Group is particularly concerned about Canterbury's groundwater, which is the region's largest freshwater environment with substantial biodiversity and important ecosystems. We strongly support the Forest and Bird Points 50 - 57 for Managed Aquifer Recharge (MAR) and Targeted Stream Augmentation (TSA) and support the relief sought including MAR and TSA be non-complying activities with conditions setting out their use is temporary in nature, and a last resort method to avoid adverse effects on indigenous species and their habitats. | Allow |
|---|---|---|-------|
| Jenny Webster- Brown<br>266 Weedons Ross Rd,<br>RD 5 Rolleston<br>Christchurch 7675 | Support Submission in total                     | Waimakariri Nitrate-nitrogen limits for Drinking Water supplies from groundwater are set too high. Danish research reports human health effects at levels considerably lower than the current MAV. We are also concerned at the ecological health of waterways in the zone as a result of high Nitrate-nitrogen levels.   | Allow |
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