

**Before the commissioners appointed by the  
Canterbury Regional Council**

**In the matter of**      The Resource Management Act  
1991

**and**

**In the matter of**      60 water permit applications to  
take and use water, 29 land use  
consent applications and 21  
discharge permit applications, for  
agricultural and horticultural  
activities in the upper Waitaki  
catchment

Section 42A Report –

Date of hearing: September 2009 – February 2010

Clarification of the Relationship between Original and Addendum s42A  
Reports – Brent Euan Clothier

## **INTRODUCTION**

1. The following table (Table 1) sets out the relationship between the matters considered in my original s42A report and those of which I make comment on in my Addendum report.
2. This information is provided to the commissioners to enable an improved understanding of the original audit issues that remain unresolved, are referred to in other reporting officer's evidence, or that have been addressed in Addendum evidence.
3. The issues highlighted in **bold** (in Table 1) indicate those which remain unresolved.

**Table 1 Relationship between Original and Addendum s42A Reports**

<b>Original s42A report paragraph number</b>	<b>Issue</b>	<b>Status</b>
1-11	Background, Qualifications, and Scope of Report	Same as s42A report
12	Commentary on past work by GPF (2005)	For information only
13	The role of AgResearch (2009d) in the GHD (2009a) report	Resolved – AgResearch (2009d) was not used directly, and only used as a ‘cross-check’
<b>14-39</b>	<b>Pasture production values overestimated</b>	<b>Unresolved – See also evidence of Mr Harris, Dr Ryan, Mr Ford, Mr Potts and Mr McNae, and PP7-13</b>
21	Use of the Highly Developed (HD) setting in OVERSEER to account for under-predicted N leaching	Agreed at Nutrient Caucus
<b>44</b>	<b>N leaching through soils under-predicted since OVERSEER setting not always HD</b>	<b>Unresolved – refer to evidence of Mr McNae and P25</b>
<b>45-55</b>	<b>Temporal patterns of N leaching &amp; probabilities of exceedances</b>	<b>Unresolved – refer to evidence of Mr Heller, Mr Hanson, Dr Schallenberg, and PP 40-43</b>
<b>56-60</b>	<b>Riparian attenuation of N</b>	<b>Unresolved – refer to evidence of Mr Heller, Mr Hanson and PP 36-38</b>



Signed:

Brent Euan Clothier  
**Group Leader, Plant & Food Research**

Date: 27 January 2010