

**BEFORE THE CANTERBURY REGIONAL COUNCIL**

**Under** the Resource Management Act 1991

**and**

**In the matter** of resource consent applications by various parties to take  
and use water in the Upper Waitaki Catchment

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**MEMORANDUM TO COMMISSIONERS**

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**Notice of Amendments to Applications – Glentanner Station Limited – Application No CRC071362**

1. As a result of the Investigating Officer’s report, further discussions between Glentanner Station Limited’s consultants and reporting officers, Glentanner wishes to respond by making two minor amendments to its application in the following areas:

1.1 Irrigation command area; and

1.2 Irricalc soils.

2. **Irrigation Area:** Please find attached reduced command area to remove the areas to the south which contain light soils below the terrace as per Para 89 in the Investigating Officer’s report

**Irricalc Soil types:**

3. The Investigating officer considered that Irricalc used too much light soils at 63ha, and considers perhaps 20% at 40ha would be more appropriate. I have therefore altered Irricalc to reflect this amendment and set out the corresponding Irricalc volume below:

Soil PAW	Proportion of Area (ha)	Appl Efficiency (%)	Irrigation Water Use (mm/yr)	Annual Volume (m <sup>3</sup> /yr)
25	40	80	675	270,000
80	23	80	634	145,820
85	137	80	626	857,620
<b>Total</b>				<b>1,273,440</b>

4. There is a slight decrease in volume provided by Irricalc given this change in soil type but this volume still exceeds that sought in the original application of 1,200,000m<sup>3</sup>/year. 40ha of light soils is probably worst case scenario. The use of Irricalc is provided to justify the annual volumes in Policy 16.

5. These responses are proposed as formal amendments to our client’s application. The adjustment to the irrigation command area is entirely within scope of the original application.

6. The response on the use of Irricalc and the associated decrease in volume is provided in response to issues raised by officers on this application.

Dated

2010



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Ewan Chapman