

IN THE MATTER OF THE

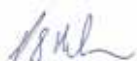
Resource Management Act 1991 section 128 to section 132 review of water permits within the Rakaia Selwyn Groundwater Allocation Zone

Minute and directions of the Hearings Commissioners relating to the Canterbury Regional Council's evidence on stream depletion assessments

1. This minute is issued by Hearings Commissioners Ms Sharon McGarry (Chair) and Mr Tom Heller, appointed by the Canterbury Regional Council (ECan) to hear and decide the review of resource consent conditions for water permits to take groundwater from within the Rakaia Selwyn Groundwater Allocation Zone, pursuant to section 128 of the Resource Management Act (RMA).
2. We request ECan provide a revised "Attachment 5 – Stream Depletion Assessments", as provided by Ms Todd (13 August 2009) spreadsheet that includes the following parameters and calculations:
 - (a) 7-day pump rate and 7-day stream depletion rates for stream and spring depletors based upon the Jenkins or Hunt solutions used;
 - (b) Lambda and Sy values used (if not 0.1 default for Sy) for stream depletors;
 - (c) 150-day Theis drawdown at spring features for spring depletors;
 - (d) For stream and spring depletors – Provide the 150-day pump rate required (for the Hunt or Jenkins assessment methods used) to achieve a less than or equal to 5 L/s depletion rate on the relevant water feature; and
 - (e) Additionally, for spring depletors – Provide an adjusted pump rate based upon the ratio of the 0.1 m Theis drawdown threshold to the calculated 150-day Theis drawdown at the spring feature [i.e. (0.1/150-day Theis drawdown) X 150-day pump rate].
3. We direct that the revised spreadsheet be provided by **25th November 2009**, and a copy placed on ECan's website with a copy of this minute to proceedings.

Dated this 18th day of November 2009

Sharon McGarry
Hearings Commissioner (Chair)



Tom Heller
Hearings Commissioner