

AQUIFER TEST REVIEW

CONSTANT DISCHARGE TEST (WITH OBSERVATION WELLS)

Send the completed application to: *Environment Canterbury, 58 Kilmore Street, P O Box 345, Christchurch 8140.*

Providing all the information in this form:

- (a) may satisfy the requirements of an aquifer test review, Environment Canterbury will inform you if further information is required.
- (b) will assist with the prompt processing of an aquifer test review - any omissions in the form may result in significant delays and costs while the required information is obtained.

Please complete all questions and sign and date the form.

Part A: Basic Information

Consent No:	
Production (test) well:	
Groundwater Allocation Zone:	
Applicant (print):	
Contact Details: (company address, phone, email)	
Consultant (print):	
Contact Details: (company address, phone, email)	
Signature:	
	Name & date (print):
Date Submitted	
Invoice:	Applicant <input type="checkbox"/> Consultant <input type="checkbox"/> Other <input type="checkbox"/> (please specify)

PART B: Scope of Review

<input type="checkbox"/>	Compliance with hearing conditions
<input type="checkbox"/>	In support of a current water permit application in process
<input type="checkbox"/>	Review for general agreement with hydraulic parameter estimates
<input type="checkbox"/>	Review of parameters for use in a specific WQN10 assessment
<input type="checkbox"/>	Review of parameters for use in a specific stream depletion assessment
<input type="checkbox"/>	Pre-application review
<input type="checkbox"/>	Review for general agreement with hydraulic parameter estimates
<input type="checkbox"/>	Review of parameters for use in a specific WQN10 assessment
<input type="checkbox"/>	Review of parameters for use in a specific stream depletion assessment
<input type="checkbox"/>	For information purposes only

PART C: Information Provided for Review

CHECKLIST

Have you provided:

- An explanation of the purpose of the test (what are the main issues to be resolved by the aquifer test)
- Period of pumping and monitoring (Note: default minimum pumping period is 4320 minutes/3 days), and test dates
- An explanation of the conceptual model for the site
- Pumping rate(s), method of measuring pumping rate (data in electronic format where logger used), accuracy, units
- Water disposal method and distance from pumping and observation wells
- GPS references for the pumping well and observation wells (mE mN) and accuracy
- Map showing locations of pumping wells, monitoring wells, and surface water features
- Distances from pumping well to observation well(s)
- Location of well used to monitor background changes
- Drilling logs or geological logs
- Well depths and screen information for all wells in the vicinity of the test
- Measurement reference point for each well (e.g. ground level or top of casing)
- Pre-test and post-test standing groundwater levels for the well (includes initial and final static water level measurements), units
- Groundwater level data record for duration of test including at least 12 hours of pre-test and post-test monitoring data, units
- Barometric data for duration of test including at least 12 hours of pre-test and post-test monitoring data, units
- Statement of corrections (barometric, background gradient), units
- Time drawdown and any corrected datasets provided electronically, units
- If relevant, hydrological data provided (e.g. rainfall, river flow fluctuations)
- Estimates and ranges of aquifer hydraulic parameters, and if necessary, a statement of data/parameter uncertainty and how this impacts predictions of environmental effects
- An independent assessment of transmissivity from a step test
- Other (please state):

.....

.....

.....

.....

.....