

CONSTANT DISCHARGE AQUIFER TEST SUMMARY

Mandatory—applicant must complete

Leave blank—Council completes

Additional information appreciated

Report number:		Well numbers					
Town:							
District:							
Location: E	N						
Test date:		Pumping	Observation				
Test results							
		Reported	Individual				
Aquifer							
Transmissivity (m ² /d)							
Storativity							
Specific yield							
Hydraulic conductivity (m/d)							
Vertical hydraulic conductivity (m/d)							
Specific capacity ((l/s)/m)							
Confining Layer							
Vertical hydraulic conductivity (m/d)							
Hydraulic conductivity x storativity (m/d)							
Supplemental information							
Distance from pumping well (m)							
Aquifer saturated thickness (m)							
Confining layer thickness (m)							
Average pumping/discharge rate (l/s)							
Final depth-to-water (m)							
Initial depth-to-water (m)							
Maximum drawdown (m)							
Analysis methods (Tick applicable methods)							
Confined	Theis						
	Jacob						
Semiconfined	Walton						
	Hantush						
Unconfined	Boulton						
	Neuman						
Other:							
Data corrections (Tick applicable corrections)							
Tidal							
Antecedent trend							
Barometric efficiency							
Jacob correction for unconfined							
Boundaries							
Well interference							
Other:							

Duration: pumpingmin; recovery.....min Test commissioned by
 Water chemistry collected: field values lab analysis Test undertaken by
 Test analysed by

Comments

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Reliability:..... **Rated by/date:**.....

INSTRUCTIONS

Constant Discharge Test Summary Form

(Record and report information where known; leave blank where unknown.)

1. Unit definitions: d, day; l, litre; m, metre; min, minute; s, second
2. Report number Hawke's Bay Regional Council assigns the aquifer-test report number
3. Town nearest town or city
4. Location Give easting (E) and northing (N), such as E2828062 and N6166360
5. Test date The date the test started
6. Well numbers: Record the numbers assigned by Hawke's Bay Regional Council.
7. Test Results
 - 7.1. Reported values that will summarily represent all test well data, whether by averaging or weighting
 - 7.2. Individual values calculated for each observation well
8. Supplemental information
 - 8.1. Aquifer saturated thickness value for each observation well
 - 8.2. Confining layer thickness value for each observation well
 - 8.3. Average pumping rate record value in pumping well column only
 - 8.4. Final depth-to-water greatest depth-to-water when the pump is turned off
 - 8.5. Initial depth-to-water No sign or a negative sign (-) indicates the water level is below datum.
9. Analysis methods Tick every method used for every well analysis; record any other method under "other"
10. Data corrections Tick every correction method used for every well analysis
11. Additional information
 - 11.1. Water chemistry collected Tick whether field values (pH, electrical conductance, alkalinity, dissolved oxygen) were measured or samples were collected for lab analysis.
 - 11.2. Test commissioned by The party that paid for the test
 - 11.3. Test undertaken by The party that performed the test.
 - 11.4. Test analysed by The party that solved for aquifer characteristic values.
 - 11.5. Comments Describe general details that limit test or analysis validity, such as unreadable data, poor weather, damaged equipment, data matches poorly with type curves, early time data is erratic, etc.
 - 11.6. Reliability. Rating is to be done by Hawke's Bay Regional Council, based on test rating form.