

# Form 6b: Land use consent application to construct or alter a bore



Please answer all questions fully. The questions provide a guide in order to satisfy the minimum information requirements that must be included with your application as prescribed in Schedule 4 of the Resource Management Act 1991 (RMA). Depending on the scale of your proposed activity, more detailed information and an Assessment of Environmental Effects (AEE) will be required to support the resource consent application.

Officers from the Greater Wellington Regional Council's (GWRC) Environmental Regulation department are available to assist with filling out this form or to clarify information to include with your application. Some basic/standard pre-application advice is provided at no cost.

**This form is required to be filled out in conjunction with Form 1 Resource Consent Application**

## Part A: General information on nature and scale of your activity

### 1. Please indicate the type of activity to be carried out:

Construct a new  bore  well  sand trap/spear

Other, specify

Alter an existing  bore  well  sand trap/spear

Other, specify

Is this a replacement bore?  No  Yes – what is happening to the old bore? Explain below

### 2. Proposed method of construction:

Cable tool drilling/percussion

Rotary

Jetting

Sonic

Other, specify

### 3. What is your proposed date to start work? \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Name and email of driller/company:

Phone number of driller/company:

### 4. Please provide the following information about the proposed bore or existing bore to be altered:

|  |  |      |   |               |   |
|--|--|------|---|---------------|---|
| Diameter:  | mm   |      |   |               |   |
| Depth:   | m  |      |   |               |   |
| Screen? <input type="checkbox"/> Yes <input type="checkbox"/> No | Multi-screen? <input type="checkbox"/> Yes <input type="checkbox"/> No |      |   |               |   |
| Screen position 1:   | From   | m to | m | Screen length | m |
| Screen position 2: (if applicable)                               | From   | m to | m | Screen length | m |
| Screen position 3: (if applicable)                               | From   | m to | m | Screen length | m |

**5. Will the bore be constructed in a confined aquifer?**

Yes  No

If Yes A) Is the confined aquifer artesian? (ie, groundwater that will flow upwards out of a well without the need for pumping)

Yes  No

B) Will you install a double casing on the bore?

Yes  No

Depth of casing:  m

Diameter of casing:  mm

**6. Are you the owner of the land on which the bore is to be constructed?**

Yes  No

If No, complete the written approval section on Form 1b.

**7. What is the proposed use of the bore?**

Domestic  Stock  Irrigation  Public supply  Water quality monitoring  Industrial

Other, specify

**8. If you intend to take water from the bore, what is the quantity of water required?**

Note: it is important you be as specific as possible

litres per second

hours per day

days per year

Note: Water is only permitted to be taken under the following circumstances:

- Any permitted use under section 14 of the Resource Management Act 1991 (water for reasonable domestic, stock, or fire-fighting purposes is permitted) where the taking of water does not have adverse effects on the environment
- Any permitted use under Rule R152, R153, R155 and R159 of the Natural Resources Plan.

If you wish to take more than the permitted amount of water you will need to apply for a water permit to take groundwater. Anyone wishing to abstract groundwater from the Lower Hutt Groundwater Zone requires a resource consent.

**The granting of this consent to construct or alter a bore does not guarantee the granting of a water permit to take water from the bore**

**9. What is the proposed method of pumping water from the bore?**

Surface pump (suction lift)  Submersible pump set a depth of  m

**10. Is this the only abstraction point (eg, bore or surface water take) on this property title?**

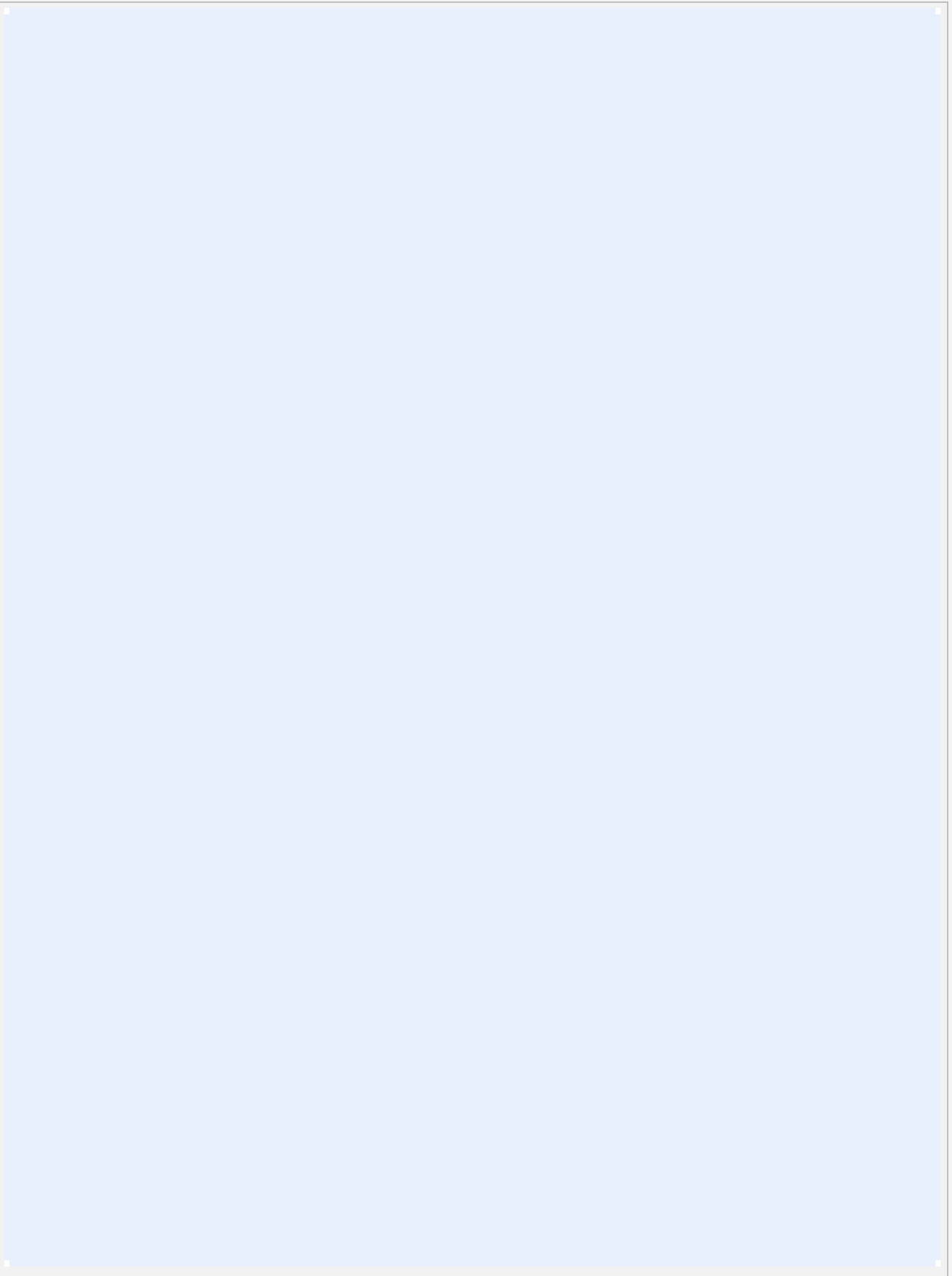
Yes  No – identify other points of abstraction on the map in Question 12 below.



## 12. Locality map and plans

Please show the location of your proposed bore. Also show the location of any buildings, roads, septic tanks, other bores, freshwater springs, streams, rivers, wetlands and waste disposal sites that you know of.

Alternatively you may wish to attach a plan/aerial photograph showing the above information.



Note: Remember to show where north is.

## Part B: Preventing groundwater contamination

**The drilling, construction and alteration of bores has the potential to result in the contamination of groundwater through aquifer cross-connection and leakage from the ground surface into groundwater. All bores must be cased and sealed to prevent this contamination.**

1. Please provide details, including a plan or diagram, of how the bore will be constructed to prevent aquifer cross-connection. You must demonstrate that the bore casing is constructed in such a way to prevent the interconnection between the aquifers and permeable zones in all aquifers, and permeable zones of differing pressure, water quality, or temperature are sealed in accordance with NZS4411:2001 Environmental Standards for Drilling in Soil and Rock. This must include details of where you propose to grout, and pressure testing at completion.

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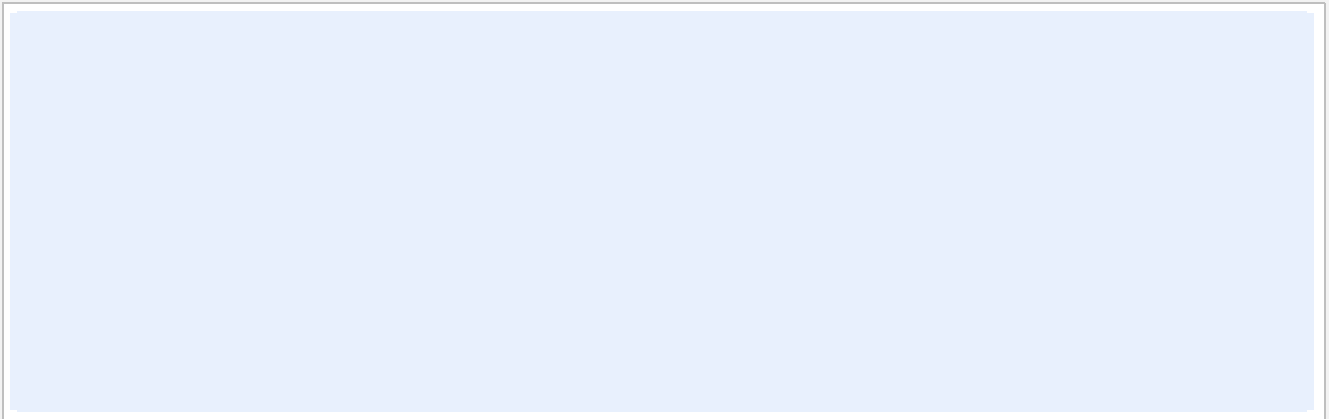
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2. Please provide details, including a plan or diagram, of how the bore will be constructed to prevent the contamination or pollution of groundwater by surface or shallow subsurface sources.

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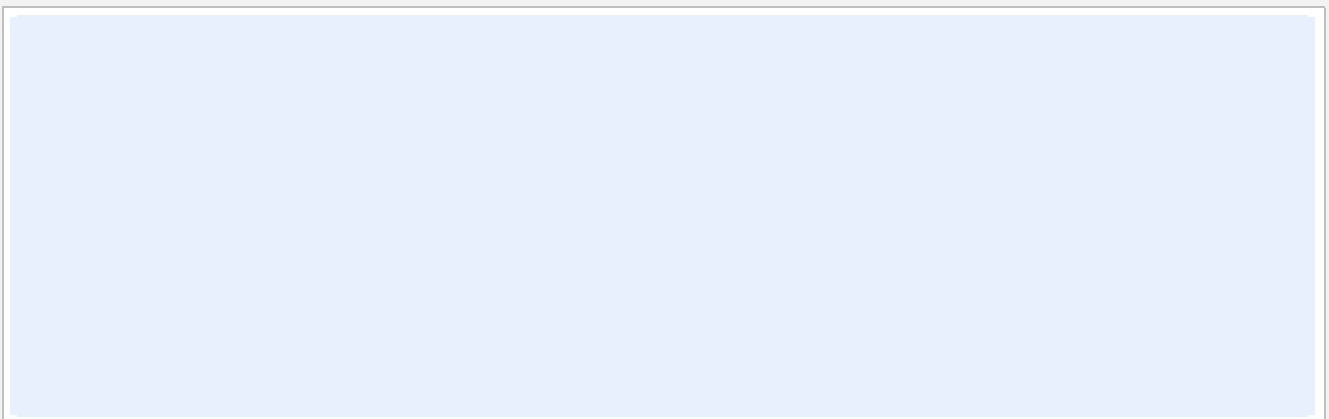
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3. Please provide details, including a plan or diagram, of how all bore headworks will be constructed and maintained to prevent leakage of groundwater to waste, prevent movement of the casing, prevent damage, and prevent foreign material, surface water, spillage or other leakage entering the bore or annulus.

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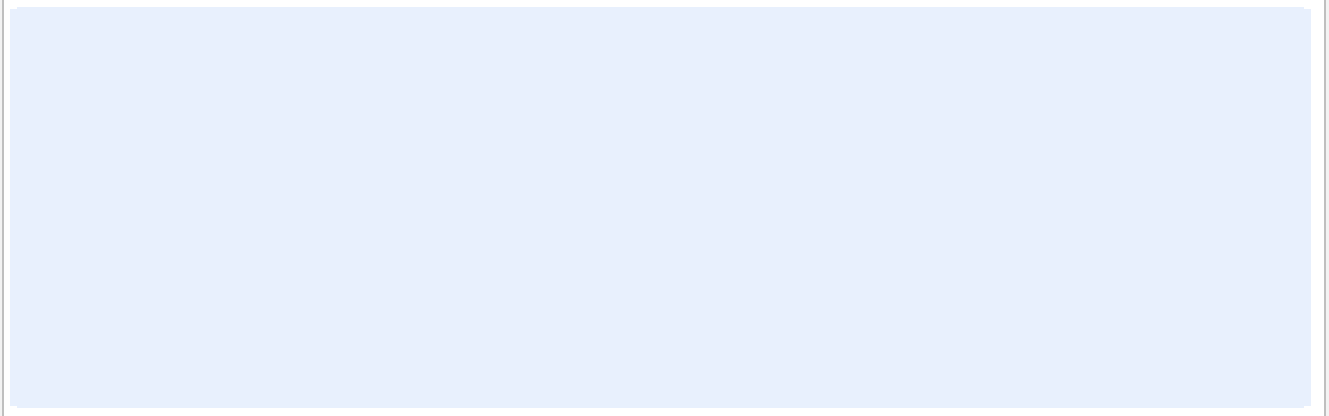
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**Part C: Assessment of effects on the environment (AEE)**

1. Comment on any possible environmental effects that may occur and any other information you consider may assist the Council in processing your application.

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## Part D: Monitoring and management of your activity

**1. What monitoring do you propose to carry out to ensure that the construction/or alteration of your bore does not have any adverse effects on the environment?**

Note: On completion of the construction of your bore you will be required to provide:  
a bore log completed by your driller or contractor; the results of any pump test; and/or results of any water quality tests.

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