



# Form 1: Application for resource consent

All sections must be completed in full and accompanied by the initial fixed application fee (see section 11) and the relevant activity form (see section 7). Failure to do so may result in your application not being accepted and/or returned. Please note that all information provided in your application is available to the public.

You can lodge your application in any of the following ways:

- By post to PO Box 11646, Wellington or PO Box 41, Masterton
- In person at our Wellington office (142 Wakefield Street) or Masterton office (34 Chapel Street)
- By email to [info@gw.govt.nz](mailto:info@gw.govt.nz) (a signed PDF copy is required)

Office use only:	
FILE REF:	
Doc. No.	
Referred to	Int

## 1. Applicant's details

**Applicant(s) name(s) and address** ie, whose name will be on the consent. Note if a private or family trust is the applicant, all the trustees are required to provide contact details and sign the application form (see 4. below)

Wellington Regional Council\* T: Business: 8304045 T: Private:   
 PO Box 11646 Fax:  T: Mobile:   
 Wellington 6142 Email address: tracy.berghan@gw.govt.nz

The applicant is the: (in part)

Owner  Occupier  Lessee  Prospective Purchaser  The Crown   
 Network Utility Operator  Other  Please specify:

## 2. Agent's details

**Agent's name and address** Please note that all correspondence will be sent to the Agent as the first point of contact during the application process, unless instructed otherwise

Jenny Clafferty T: Business 806 4976 T: Private   
 Tonkin & Taylor Ltd Fax:  T: Mobile: 021 549 370  
 PO Box 2083 Email address: jclafferty@tonkin.co.nz  
 Wellington 6140

## 3. Property owner's name (if different from above)

**Property owner's name and address**

The Crown }  
 Wellington Regional Council } see attached  
 Kapiti Coast District Council } report & appendices  
 & } for details of  
 Various individual landowners } land ownership  
 T: Business  T: Private   
 Fax:  T: Mobile:   
 Email address:

If your proposed activity will take place on land not owned by the applicant, the written approval of the property owner must be provided on a **completed and signed form 1B**.

\* Note: 'Greater Wellington Regional Council' is the promotional name of Wellington Regional Council

#### 4. Partnership/unincorporated entity details

For partnerships or unincorporated entities (such as private trusts or unincorporated bodies or societies) you **must** provide details of all authorised partners, trustees or members. Any consent granted will then include these names, and all individuals will be legally responsible for the consent and any associated costs. Should these persons change, then you must notify us.

Full name of person:

Status (eg, partner, trustee):

Address:

Email address:

Phone:

Full name of person:

Status (eg, partner, trustee):

Address:

Email address:

Phone:

Full name of person:

Status (eg, partner, trustee):

Address:

Email address:

Phone:

**Include details of any further partners/trustees/members on a separate page if necessary**

#### 5. Location of proposed activity

**Describe the location of activity and/or property address**

Otaki River, Rangiora &  
Ngatoko Streams, Katihiku &  
Pahiko Drains, Waimanu Stream &  
Chrystalls Lagoon, Coastal Marine Area

Map reference: NZTM:

Valuation reference [from rates]:

} see attached report

Include the name of any relevant stream, river or other waterbody to which the application may relate, proximity to any well known landmark, etc. (Note: a location map is required in your activity form.)

**Legal description** [from rates notice] [eg, Lot 9 DP58809 Block XI]

see attached report

#### 6. Description of proposed activity

Operations & maintenance activities for flood protection and erosion control purposes (see attached report for full description)

## 7. Consents from the Greater Wellington Regional Council – activity forms you need to fill in

Consent(s) being applied for. You will need to fill in an activity form for each of the following activities: Make sure you attach the forms for your activity

### Water:

- Dam/Divert (Form 2a)
- Take and use surface water (Form 2b)
- Take and use groundwater (Form 2c)

### Discharge to Land:

- General discharges (Form 3a)
- Agricultural discharge (Form 3b)
- On-site wastewater (Form 3c)

### Discharge to Water:

- General discharges (Form 4a)

### Discharge to Air:

- Air discharge (Form 5a)

### Land Use:

- General river/stream works (Form 6a)
- Bore/well construction (Form 6b)
- Bridge/culvert/pipe (Form 6c)
- Erosion protection structures (Form 6d)
- Land clearing/tracking/logging soil disturbance (Form 6e)

### Coastal:

- General coastal (Form 7a)
- Boatshed (Form 7b)
- Swing mooring (Form 7c)

## 8. Consents from local authorities

Territorial authority in which land is situated:

- |                         |                          |                                  |                          |
|-------------------------|--------------------------|----------------------------------|--------------------------|
| Wellington City Council | <input type="checkbox"/> | Kapiti Coast District Council    | <input type="checkbox"/> |
| Hutt City Council       | <input type="checkbox"/> | Masterton District Council       | <input type="checkbox"/> |
| Upper Hutt City Council | <input type="checkbox"/> | South Wairarapa District Council | <input type="checkbox"/> |
| Porirua City Council    | <input type="checkbox"/> | Carterton District Council       | <input type="checkbox"/> |

Do you require any other resource consents from your local council? Yes  No

If yes, please list:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Have these consents been applied for? Yes  No

## 9. Other documentation

Please list any documents in addition to your application forms that form part of your application. Note: if multiple other documents exist, please attach a separate sheet of paper.

No other documents

Reports

Title Greater Wellington Regional Council :

Plans

Title Resource Consent Applications

Other documents

Title Operations and Maintenance Activities in the Otaki River, Waimanu, Rangiora & Ngatoko Streams, and Kaitihiku & Pahiko Drains.

## 10. Consultation and written approval of affected persons

Consultation with all persons potentially affected by your activity prior to lodging your application may result in considerable time and cost savings.

### Non-notified applications

Non-notified consents are for activities which have minor effects on the environment. For your activity to be considered on a non-notified basis you must consult and obtain written approval from all persons potentially affected by your activity (eg, neighbours, iwi, Fish and Game Council, Department of Conservation). If you are unsure who may be an affected party, please call us. **Non-notified consents are significantly cheaper and quicker to process.**

### Limited notified and fully notified applications

Notified consents (either limited notified or fully notified consents) are for activities which do not meet requirements in the RMA for processing on a non-notified basis.

**Please provide any consultation details and written approvals obtained in the space provided below.**

#### Consultation details

Have you consulted with iwi?

Yes

No

If so, who did you consult?

See attached report

Who else have you consulted?

See attached report

What was their response?

See attached report

How have you addressed any concerns they may have had?

See attached report

#### Written approval of affected parties

If you have obtained the signature of affected persons please give their details below. Please note that for us to accept the approvals **they must each complete and sign form 1B.**

Name	Address	Contact details (phone, email etc)
<del> </del>		

## 11. Fees and charges

### Non-notified initial fixed application fees including GST (please tick one or more)

Discharge permit	<input type="checkbox"/> Land	<input checked="" type="checkbox"/> Water (other)	<input type="checkbox"/> Air
	\$ 991.88	\$1,520.88	\$1,058.00
Water permit	<input type="checkbox"/> Take (new)	<input type="checkbox"/> Take (renewal)	<input checked="" type="checkbox"/> Dam/Divert
	\$1,587.00	\$ 925.75	\$ 727.38
Land use consent	<input type="checkbox"/> Bore	<input checked="" type="checkbox"/> River works	<input checked="" type="checkbox"/> Land clearing/disturbance/logging
	\$ 376.63	\$ 727.38	\$1,256.38
Coastal permit	<input type="checkbox"/> Mooring	<input type="checkbox"/> Boatshed	<input checked="" type="checkbox"/> Other
	\$ 529.00	\$ 529.00	\$ 859.63

- Notes:
1. Where there is more than one application required for the same proposal, an initial fixed application fee is required for each application
  2. The initial fixed application fee is the average cost of processing an application type. Final processing costs are based on actual and reasonable time and disbursements spent processing your application.
  3. Contact the Greater Wellington Regional Council for information about notified initial fixed application fees

### Payment method (please tick one)

- Cheque (to be lodged with application documents)
- Internet banking to:
- Greater Wellington Regional Council – National Bank account 06-0582-0104781-00
- Date of payment: \_\_\_\_\_ Reference details used: \_\_\_\_\_
- Note: for reference details please quote "Consents" and the applicant name
- Cash/Eftpos (to be made at Environment Help Desk Wgtn or Masterton office)

*Internal transfer*

### Future payments

Any additional consent processing charges and consent monitoring charges will be invoiced directly to the applicant, unless instructed otherwise below:

*Internal transfer*

## 12. Applicant's declaration

I/we hereby certify that, to the best of my/our knowledge and belief, the information given in this application is true and correct.

I/we understand that the Council may charge me/us for all costs actually and reasonably incurred in processing this application and, if granted, for any subsequent monitoring charges. Subject to my/our rights under sections 357B and 358 of the RMA to object to any costs, I/we undertake to pay all and future processing costs and monitoring costs incurred by the Council. Without limiting the Council's legal rights, if any steps, including the use of debt collectors, are necessary to recover unpaid processing costs, I/we agree to pay all costs of recovering those processing/and or monitoring costs. If this application is made on behalf of a trust (private or family), a society (incorporated or unincorporated) or a company in signing this application I/we are binding the trust, society or company to pay all the above costs and guaranteeing to pay all the above costs in my/our personal capacity.

Full name: Graeme Campbell

Date: 20 Aug 2013

Applicant's signature: *Graeme Campbell*

*Manager, Flood Protection  
GWRC*

(or person authorised to sign on behalf of the applicant)



## 2a Water permit application to divert water

Use this form for any activity which alters the natural flow of a watercourse.

Please answer all questions fully. You should discuss your application with one of Greater Wellington's resource advisors before completing this form.

**Show the location of the activity and adjoining properties on your map on Form 1. Include design plans and details with this application as appropriate.**

### Part A: general

1. Is the diversion: existing  or proposed ?

If the diversion relates to a new activity, a Land Use Consent may also be required. Use Application Form No. 10.

If the diversion is in the coastal marine area, a Coastal Permit to Divert Water is required. You can make the application on this form. A coastal permit to erect any structures and occupy the coastal marine area is required for a new diversion. Use Application Form No. 12.

2. Why are you diverting water (eg, stormwater control, river works, stream realignment, etc)?

*In association with flood protection and erosion control operations and maintenance activities*

3. What is the name of the watercourse to be diverted?  
(If the stream is unnamed, give the name of the watercourse it is a tributary of.)

*Ofaki River, Waimanu Stream*

4. What is the rate at which water will be diverted? \_\_\_\_\_ cubic metres or litres per second

5. Will the diversion be: intermittent  or continuous ?  
temporary  or permanent ?

If temporary, what will be the maximum operating period? \_\_\_\_\_ hours per day  
\_\_\_\_\_ days per week  
\_\_\_\_\_ weeks per year

*see attached report*

6. Does the diversion also involve:
- |                 |                              |                             |
|-----------------|------------------------------|-----------------------------|
| Taking water?   | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Damming water?  | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Discharging?    | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Any structures? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

If you answered yes to any of 6 above, a separate consent application may be required.

## Part B: assessment of effects on the environment

Where your diversion could have a significant adverse effect on the environment a more detailed environmental assessment is required in accordance with the Fourth Schedule of the Resource Management Act 1991.

1. Will the diversion have an effect on water availability to downstream users and/ or affect access to neighbouring properties? Yes  No
2. Within a reasonable distance up or downstream of the diversion are there any:
  - (1) Obvious signs of biota (eg, fish, eels, insect life, aquatic plants)? Yes  No
  - (2) Areas where food is gathered from the stream (eg, watercress, eels, wild fowl, kaimoana)? Yes  No
  - (3) Wetlands (eg, swamp areas)? Yes  No
  - (4) Waste discharges (eg, from rural sources, industries, sewage plants)? Yes  No
  - (5) Recreational activities carried out (eg, swimming, fishing, canoeing)? Yes  No
  - (6) Areas of particular aesthetic or scientific value (eg, scenic waterfall, rapids, archaeological sites)? Yes  No
  - (7) Areas or aspects of significance to iwi that you are aware of? Yes  No

*see attached report*

If you have answered yes to 1 and any part of 2 above, describe what effects your diversion may have and the steps you propose to take to mitigate these. If the adverse effect is significant, describe alternative locations or methods you have considered for undertaking the diversion:

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[Continue on a separate page if necessary]

3. Have you provided any means for fish to bypass the diversion (eg, fish ladders, elver tubes, etc)? Yes  No

Please describe

*See attached report*

4. Describe the bed of the watercourse immediately above and below the diversion site (eg, is it gravelly, muddy or sandy?):

*See attached report*

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**Part B: assessment of effects on the environment (continued)**

5. Will the diversion cause any flooding or other problems to neighbouring properties? Yes  No

Please describe \_\_\_\_\_

*See attached report*

6. Please attach your calculations which show that the diversion design is adequate, including design flood flows, return periods, etc

7. Have you discussed your diversion with any potentially affected parties (eg, neighbours, water users, Fish and Game New Zealand, Department of Conservation?

Yes  No

8. Are there any alternative sites or methods for the diversion? If yes, why have you not chosen any of these?

Yes  No

*See attached report*

9. What, if any, monitoring do you propose to carry out to ensure that your diversion does not have any adverse effect?

*See attached report*



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**For office use only**

Consent No. \_\_\_\_\_

Renewal:    Yes       No



## 4a Discharge permit application – general discharge to water

Please answer all questions fully. Officers from Greater Wellington's Environmental Regulation department are available to assist with filling out this form or to clarify information to include with your application.

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

This application form should be used for all discharges to water, including discharge to coastal water below mean high water springs and within the outer limits of the territorial sea.

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

**1. What is/are the contaminant(s) of concern in the discharge?**

(A contaminant is any substance which is likely to change the water into which it is discharged in any way. Water can also be a contaminant)

Natural silts and sediments, and stormwater

**2. What is the source of the contaminant and/or process that results in the discharge? (eg, municipal wastewater, industry, water treatment, rural activity/agricultural production - cows, pigs, poultry, contaminated stormwater, other) Note: If the source is from bulk earthworks please fill out Form 3b.**

Works in the river bed or on banks and berms

**3. If from municipal wastewater what is the current and future size of the population the treatment plant will serve, and what is the proposed operational life of the treatment plant and associated pipework?**

N/A

4 Is the contaminant treated in any way before being discharged? Yes  No

5. Name the treatment system and describe the treatment process (include the design specifications such as the capacity of the system):

N/A

6. If sludge/solid waste is generated as part of the treatment process, please state what happens to this sludge. (Note: an additional consent will be required for the discharge of sludge to land).

N/A

7. Describe the contaminant and expected quality of the discharge after treatment but before it enters its receiving environment: SEE ATTACHED REPORT

Please provide the results from any water quality testing of the discharge. If you do not have this information, you will need to test your discharge. Indicate which contaminants have been identified in the discharge by ticking the box(es). Explain how the samples were taken (eg, spot sample or composite sample) and attach the sampling results (laboratory analytical certificates) to this application.

- |  |   |
|--|---|
| <input type="checkbox"/> Temperature °C  | <input type="checkbox"/> pH   |
| <input type="checkbox"/> Suspended solids g/m <sup>3</sup>                     | <input type="checkbox"/> BOD <sub>5</sub> g/m <sup>3</sup>              |
| <input type="checkbox"/> Faecal coliforms cfu/100 mL                           | <input type="checkbox"/> Heavy metals g/m <sup>3</sup>                  |
| <input type="checkbox"/> Toxic substances (eg, PAHs, phenols) g/m <sup>3</sup> | <input type="checkbox"/> Dissolved and total nutrients g/m <sup>3</sup> |
| <input type="checkbox"/> Ammonia g/m <sup>3</sup> :                            | <input type="checkbox"/> Oil/grease g/m <sup>3</sup>                    |

Date(s) sample taken: \_\_\_\_\_ Name of sampler: \_\_\_\_\_

Location(s) sample taken: \_\_\_\_\_

Date(s) of analysis: \_\_\_\_\_ Analysis conducted by: \_\_\_\_\_

Indicate the sampling area(s) on the locality map (question 20).

Where appropriate describe the following:

*Physical characteristics of the discharge* (such as temperature, suspended solids, turbidity)

\_\_\_\_\_

*Inorganic chemical characteristics of the discharge* (such as pH, free ammonia, organic nitrogen, total kjeldahl nitrogen, nitrites, nitrates, inorganic phosphorus, sulphate, metals)

\_\_\_\_\_

*Organic chemical characteristics of the discharge* (such as BOD<sub>5</sub>, VOC's)

\_\_\_\_\_

*Biological characteristics of the discharge* (such as faecal coliforms, specific micro-organisms, toxicity)

\_\_\_\_\_

8. What is the name of the waterbody into which the discharge will be made (eg, name of stream, river, lake, bay, harbour, catchment, etc)?

Otaki River, Rangioru & Ngatoko Streams, Katihiku & Pahiko Drains, Waimanu Stream and Chrystalls Lagoon

9. Describe the present state of the waterbody at the proposed location of the discharge.

Parameters to include in your description are flow information, water colour/clarity, width of channel, average depth, land use surrounding the waterbody, bed material (eg, rocky, silty, etc), bank material, streamside vegetation, erosion, fish life, invertebrate life, aquatic plants.

See attached report

Greater Wellington's Environmental Monitoring and Investigations department may be able to assist you with flow or water quality data if you have no information. Please note some applications may require a professional ecological assessment.

10. What is the quality of the receiving waterbody before the discharge? Provide sample results and interpretation of these results (eg, against guideline values).

See attached report

11. Provide details of the expected quality of the receiving waters (AFTER the point of discharge, at a point after reasonable mixing). Provide sample results for existing discharges or provide anticipated results.

See attached report

Indicate which contaminants have been identified in the receiving waters by ticking the box(es). Attach the sampling results (laboratory analytical certificates) to this application

- |  |  |
|--|--|
| <input type="checkbox"/> Temperature °C                            | <input type="checkbox"/> pH                                |
| <input type="checkbox"/> Suspended solids g/m <sup>3</sup>         | <input type="checkbox"/> BOD <sub>5</sub> g/m <sup>3</sup> |
| <input type="checkbox"/> Faecal coliforms cfu/100 mL               | <input type="checkbox"/> Heavy metals                      |
| <input type="checkbox"/> Toxic substances                          | <input type="checkbox"/> Nitrates                          |
| <input type="checkbox"/> Ammonia and dissolved reactive phosphorus | <input type="checkbox"/> Dissolved Oxygen g/m <sup>3</sup> |

Date(s) sample taken: \_\_\_\_\_ Name of sampler: \_\_\_\_\_

Location(s) sample taken: \_\_\_\_\_

Date(s) of analysis: \_\_\_\_\_ Analysis conducted by: \_\_\_\_\_

Please indicate the sampling locations (i.e. upstream, downstream, point of discharge) on the locality map (question 20)

12. Describe the method of discharge. Describe what measures will be put in place to prevent erosion or scour at the point of discharge.

See attached report

13. Describe the discharge outlet structure (eg, 300mm pipe, multi-port diffuser, gravel trench etc.)

N/A

14. Is the discharge continuous  or intermittent ?

15. What will be the maximum discharging period?

hours per day  
days per week  
weeks per year

See attached report

16. Describe the expected volume and frequency of the discharge? N/A

Maximum flow rate \_\_\_\_\_ litres per second  
Maximum daily discharge \_\_\_\_\_ cubic metres per day  
Average Dry Weather Flow \_\_\_\_\_  
Peak Wet Weather Flow \_\_\_\_\_  
Max. Volume per annum \_\_\_\_\_

17. Does the discharge also involve: Outlet structure? Yes  No   
Diversion? Yes  No   
Discharge to air (odour)? Yes  No   
Discharge to land? Yes  No

See attached report

If you answered yes to any of 17 above, a separate consent application may be required. Give details of these other discharges below unless separate consent applications forms have been completed (in order to assess if further consents are required):

18. Is there any odour associated with the discharge?

No

19. Give details of other discharge(s) occurring to the waterbody (eg, wet weather overflows).

Describe the location, activity and source of these discharge(s) and any other details you are able to provide:

N/A

12. Describe the method of discharge. Describe what measures will be put in place to prevent erosion or scour at the point of discharge.

See attached report

13. Describe the discharge outlet structure (eg, 300mm pipe, multi-port diffuser, gravel trench etc.)

N/A

14. Is the discharge continuous  or intermittent ?

15. What will be the maximum discharging period?

hours per day  
days per week  
weeks per year

See attached report

16. Describe the expected volume and frequency of the discharge? N/A

Maximum flow rate \_\_\_\_\_ litres per second  
Maximum daily discharge \_\_\_\_\_ cubic metres per day  
Average Dry Weather Flow \_\_\_\_\_  
Peak Wet Weather Flow \_\_\_\_\_  
Max. Volume per annum \_\_\_\_\_

17. Does the discharge also involve: Outlet structure? Yes  No   
Diversion? Yes  No   
Discharge to air (odour)? Yes  No   
Discharge to land? Yes  No

See attached report

If you answered yes to any of 17 above, a separate consent application may be required. Give details of these other discharges below unless separate consent applications forms have been completed (in order to assess if further consents are required):

18. Is there any odour associated with the discharge?

No

19. Give details of other discharge(s) occurring to the waterbody (eg, wet weather overflows).

Describe the location, activity and source of these discharge(s) and any other details you are able to provide:

N/A

**20. Locality map and system design**

Show the location of your proposed discharge. The sketch or plan should include, but not be limited to discharge point(s), sampling locations, location of neighbouring properties, roads, waterbodies (including streams, wetlands and drains), and other significant landmarks. Alternatively you may wish to attach a plan/aerial photograph showing the above information.

*See attached report*

Note: Remember to indicate where north is and relevant location information eg, distance and direction to nearest town/city. Name the waterbody(ies) shown on the map.

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**Part B: Assessment of effects on the environment (AEE) – SEE ATTACHED REPORT**

If your proposed discharge is likely to have a significant impact on the environment you will need to complete a more detailed environmental assessment in accordance with the Fourth Schedule of the Resource Management Act 1991.

**1. Within a reasonable distance downstream or in the vicinity of the discharge are there any:**

- (1) Obvious indications of the presence of biota (eg, birds/nests, fish, eels, insect life, aquatic plants)? Yes  No
- (2) Areas where food is gathered (eg, watercress, fish, kaimoana, blackberries)? Yes  No
- (3) Water abstractions? Yes  No
- (4) Wetlands (eg, swamp areas)? Yes  No
- (5) Recreational activities carried out (eg, swimming, fishing, canoeing)? Yes  No
- (6) Areas of particular aesthetic or scientific value (eg, archaeological sites)? Yes  No
- (7) Areas or aspects of significance to iwi that you are aware of? Yes  No

**2. If you have answered yes to any of the above, please provide further information, including the distance of these activities from your proposed discharge point(s) and a description of what effects the discharge may have on them.**

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**3. What steps do you propose to take to mitigate these effects?**

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[Continue on a separate page if necessary]

**4. What is the management purpose of the receiving waters as described in the Regional Freshwater Plan or Regional Coastal Plan?**

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**5. What do you consider are the likely effects of the discharge upon the receiving waters, particularly in relation to the management purpose in question 4 above?**

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6. If there any other discharges within the same catchment, what is the combined effect of these discharges (including the proposed discharge) on the receiving environment?

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7. What is the length and width of the proposed zone of non-compliance (if any) to allow for reasonable mixing of the discharge in the receiving waters? How were the dimensions of this zone determined and what degree of dilution (eg, 100:1) is provided by the end of the zone?  
Note: In some waterbodies it may not be reasonable to have a non-compliance zone.

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8. Describe any noticeable change in the colour/clarity of the receiving waters that may result from the discharge:

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9. What environmental effects were considered when choosing the proposed method of disposal and location (eg, water table, dilution rates/mixing potential, proximity to waterbody)?

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10. What alternative methods of treatment and disposal/discharge locations were considered?

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11. Were these alternatives discounted?

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**Part C: Monitoring and management of your activity**

SEE ATTACHED  
REPORT

1. **What monitoring and management do you propose to ensure any potential adverse effects on the environment are avoided, remedied or mitigated?** (eg, discharge monitoring, receiving water monitoring, ecological surveys, toxicity tests). Include details on what is to be monitored, when, how, and why.

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2. **What contingency measures are proposed to deal with any system malfunction or failures so as to prevent unauthorised, uncontrolled, or only partially treated discharge to the environment?**

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3. **Describe how the equipment controlling the discharge to prevent equipment failure will be maintained and operated** (eg, measures to exclude stormwater from the system, desludging, equipment maintenance).

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4. **What will be done to minimise and remediate any effects in the event of equipment failure?**

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## 6a Land use consent application – general works in the bed of a watercourse or lake

Please answer all questions fully. Officers from the Environmental Regulation Department are available to assist with filling out this form or to clarify information to include with your application.

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

This application form should be used for any general works in the bed of a watercourse or lake. Please note if you are constructing a bridge, culvert or pipe please fill in application form 6c, or if you are constructing erosion protection structures please fill in application form 6d.

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

1. Is this application for a renewal of an existing resource consent?

Yes  No      If Yes, what is the consent number? ~~WAR/WGN~~ 980254

2. What do you propose to do and why?

Operations and maintenance activities for flood protection  
and erosion control  
- see attached report for full details

[Continue on a separate page if necessary]

3. Are you:

- |  |   |  |
|--|---|--|
| (1) Erecting, reconstructing, placing, altering, extending, removing or demolishing any structure?     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (2) Excavating, drilling, tunnelling or disturbing the bed (including gravel extraction – see below)?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (3) Depositing any substance?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (4) Reclaiming or draining the bed?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| (5) Introducing or planting any plants?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (6) Disturbing, removing, damaging or destroying any plants, or the habitats or any plants or animals? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (7) Crossing a watercourse?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |

**For gravel extraction, please state the volume of gravel to be extracted:**

One-off extraction ..... m<sup>3</sup> <sup>35,000 approximately</sup> (within 1 year unless otherwise specified): from Mangahanene Island  
 Ongoing extraction ..... m<sup>3</sup> per year <sup>53,500 on average</sup> until ..... next river bed level survey & gravel analysis.

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**Part A: general (continued)**

**4. Name the watercourse where the works will occur?**

(If the watercourse is an unnamed tributary then what is the name of the stream/river it flows into?)

Otaki River downstream of Pukehinanu water level recorder, Rangiora & Ngatoko Streams, Katihiku & Pahiko Drains, Waimanu Stream & Chrystalls Lagoon.

**5. Describe the current nature of the watercourse at the proposed site for the works?**

Nature of channel, ie, meandering or straight: \_\_\_\_\_

Water colour/clarity: \_\_\_\_\_

Average flow (m<sup>3</sup>/sec): \_\_\_\_\_

Bed material (eg, rocky, silty): \_\_\_\_\_

Bank material: \_\_\_\_\_

Vegetation: \_\_\_\_\_

Fish and invertebrate life: \_\_\_\_\_

Other: \_\_\_\_\_

*see attached report*

**6. Construction/works methodology**

Please provide a step by step construction/works methodology, including any temporary diversion of water required to undertake the works and any site rehabilitation proposed once the works are completed.

*See attached report*

[Continue on a separate page if necessary]

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## Part A: general (continued)

### 7. Locality map

Show the location and a detailed sketch/plan of your proposed activity. Please show the proposed activity in relation to roads, property boundaries, neighbouring properties, watercourses, wetlands and other wildlife habitats, existing surrounding structures, historic or wāhi tapu sites, key landmarks, and any other relevant features of the surrounding environment. Alternatively you may wish to attach a plan/aerial photograph showing the above information.

*See attached report.*

Note: Remember to show where north is.

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**Part A: general (continued)**

**8. Site photographs**

Please attach labelled photographs of the site in its present form which include:

- any existing structures at the site
- any eroded areas of bank in the vicinity of the proposed works
- the view of the watercourse downstream of the site
- the view of the watercourse upstream of the site
- the view of the watercourse and its banks where it will be affected by the works

Please describe the location from which the photographs were taken and indicate whether the proposed site is typical of the watercourse e.g. 10m downstream, from the proposed site, vegetation type typical of the watercourse. Please also provide a scale e.g. have a person in the photograph.

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*See attached report*

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**9. Who will be undertaking the work?**

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*GWRC Flood Protection Department*

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**10. What are the proposed hours of operation/construction?**

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*See attached report*

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**11. What is the proposed commencement date of the work?**

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*On grant of consent*

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**12. What is the duration of the works?**

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*35 years*

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**13. What is the duration of the works to be undertaken within the watercourse?**

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*35 years*

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**14. Have any alternatives been considered when planning the proposal?**

Yes  No

Please explain:

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*See attached report*

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**15. As part of your proposal will you be undertaking any of the following activities?**

Diversion of water

Bulk earthworks adjacent to any watercourse

Note: If you have ticked any of the above boxes you may be required to fill out an additional form to be submitted as part of your application. Please contact the Environment Helpdesk at Greater Wellington if you are unsure which forms you may require.

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## Part B: Assessment of effects on the environment (AEE)

If your proposed activity is likely to have a significant impact on the environment you will need to complete a more detailed environmental assessment in accordance with the Fourth Schedule of the Resource Management Act 1991.

### Water quality

1. What are the actual and potential effects of your proposed activity in terms of water quality and loss of habitat and how do you propose to avoid or minimise these effects?

In consideration of this question, please provide detailed comment on each of the points listed below:

**Sediment runoff:**

*See attached report*

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**Building debris:**

*See attached report*

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**Machinery fuels:**

*See attached report*

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**Concrete:**

*See attached report*

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**Other objects or chemicals entering the watercourse:**

*See attached report*

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[Continue on a separate page if necessary]

Note: For guidance on erosion and sediment control measures please refer to the Erosion and Sediment Control for Small sites our web site <http://www.gw.govt.nz/council-publications/pdfs/Small%20sites%20guidelines1.pdf> or the booklet available from Greater Wellington. To get a booklet sent out to you please call the Environment Helpdesk on 04 830 4255.

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

**Machinery**

SEE ATTACHED REPORT FOR DETAILS

2. Describe the extent to which machinery is required to undertake your activity and whether machinery is required to enter the watercourse. How do you propose to minimise the effects of machinery in or near the watercourse? How long will any machinery remain in or near the watercourse?

Note: If the works are significant in terms of the machinery required then a management plan for the use of machinery during the works may be required as part of the application.

In consideration of this question, please provide detailed comment on each of the points listed below:

**Machinery on the banks of a watercourse:**

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**Machinery in the bed of a watercourse:**

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**Machinery fuels and/or chemicals:**

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[Continue on a separate page if necessary]

3. **Fish passage and spawning/migration**

SEE ATTACHED REPORT FOR DETAILS

What are the actual and potential effects of your proposed activity in terms of fish passage and how do you propose to avoid or minimise these effects?

In consideration of this question, please provide detailed comment on each of the points listed below:

**Placement of structures in the watercourse:**

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**Alterations to water flow:**

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

Physical barriers to fish passage:

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Timing of works that may affect fish spawning/migration:

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[Continue on a separate page if necessary]

**4. Erosion**      *SEE ATTACHED REPORT FOR DETAILS*

**What are the actual and potential effects of your proposed activity in terms of erosion and how do you propose to avoid or minimise these effects?**

In consideration of this question, please provide detailed comment on each of the points listed below:

**Placement of structures in the bed or banks of the watercourse:**

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**Change in water flow velocities and water flow paths:**

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**Removal of vegetation associated with the works:**

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[Continue on a separate page if necessary]

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

**5. Neighbours and other people**

SEE ATTACHED REPORT FOR DETAILS

**What are the actual and potential effects of your proposed activity in terms of effects on neighbours and/or other people and how do you propose to avoid or minimise these effects?**

In consideration of this question, please provide detailed comment on each of the points listed below:

**Other people who may be affected by the works:**

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**Upstream ponding or flooding:**

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**Cultural, heritage and archaeological values:**

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**Recreational users of the water course**

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[Continue on a separate page if necessary]

**6. Other effects**

SEE ATTACHED REPORT FOR DETAILS

**Are there any other actual or potential effects of your proposed activity and how do you propose to avoid or minimise these effects (for example, visual effects, other physical effects)?**

In consideration of this question, please provide detailed comment on each of the points listed below:

**Downstream effects:**

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## 6d Land use consent application – to construct an erosion protection structure in the bed of a watercourse or lake

Please answer all questions fully. Officers from the Greater Wellington's Environmental Regulation Department are available to assist with filling out this form or to clarify information to include with your application.

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

This application form is for the construction of erosion protection structures. If you are constructing a bridge, culvert or pipe please fill in application form 6c. If you are undertaking general works in the bed of a watercourse or lake please fill in form 6a.

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

**1. Is this application for a renewal of an existing resource consent?**

Yes  No

If Yes, what is the consent number? W/R/WGN

980254

**2. Type of structure proposed**

What type of consent are you applying for (please indicate below by ticking the appropriate box)

- Rock groyne** (any erosion mitigation structure that extends perpendicular to the river and is designed to deflect the direction of flow)
- Rock rip-rap** (any erosion mitigation structure built from rocks extending parallel to the river bank)
- Gabion** (any erosion mitigation structure that is a wire mesh basked filled with rocks)
- Other** (any erosion mitigation structure not listed above)

If you have selected 'Other', please provide a description of the type of erosion mitigation structure that is proposed:

See attached report

[Continue on a separate page if necessary]

**3. What is the purpose of the proposed structure?**

Flood protection and erosion control

[Continue on a separate page if necessary]



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## Part A: general (continued)

### 7. Locality map

Show the location and a detailed sketch/plan of your proposed activity. Please show the proposed activity in relation to roads, property boundaries, neighbouring properties, watercourses, wetlands and other wildlife habitats, existing surrounding structures, historic or wāhi tapu sites, key landmarks, and any other relevant features of the surrounding environment. Alternatively you may wish to attach a plan/aerial photograph showing the above information.

*See attached report*

Note: Remember to show where north is.

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## Part A: general (continued)

### 8. Site photographs

Please attach labelled photographs of the site in its present form which include:

- any existing structures at the site
- any eroded areas of bank in the vicinity of the proposed works
- the view of the watercourse downstream of the site
- the view of the watercourse upstream of the site
- the view of the watercourse and its banks where it will be affected by the works

Please describe the location from which the photographs were taken and indicate whether the proposed site is typical of the watercourse e.g. 10m downstream, from the proposed site, vegetation type typical of the watercourse. Please also provide a scale e.g. have a person in the photograph.

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*See attached report*

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### 9. What material is the proposed erosion protection structure to be constructed of? (i.e. rock size, type, density etc.)?

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*See attached report*

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### 10. Design plans

Please provide detailed design plans on the exact location of any structure, height of structure, depth of structure below normal bed level, length of structure parallel to channel edge, length of structure perpendicular to channel edge, and any other information that will assist with demonstrating the structural integrity of your proposed activity.

(In most cases, scaled engineering drawings prepared by an appropriately qualified engineer will be required to be submitted with your application.)

### 11. Has consideration been given to scour depth at the proposed site and/or predicted scour depth in a flood event? Yes No

If yes, please explain. Please include the planned bedded depth of the structure.

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*See attached report*

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**Part A: general (continued)**

12. If there are any other erosion structures nearby in the same channel, please provide details:

\_\_\_\_\_  
\_\_\_\_\_  
*See attached report*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. Who will be undertaking the work?

*GWRC Flood Protection Department*  
\_\_\_\_\_

14. What are the proposed hours of operation/construction?

*See attached report*  
\_\_\_\_\_

15. What is the proposed commencement date of the work?

*On grant of consent*  
\_\_\_\_\_

16. What is the duration of the works?

*35 years*  
\_\_\_\_\_

17. What is the duration of the works to be undertaken within the watercourse?

*35 years*  
\_\_\_\_\_

18. Have any alternatives been considered when planning the proposal?  Yes  No

Please explain:

*See attached report*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

19. As part of your proposal will you be undertaking any of the following activities?

- Diversion of water
- Bulk earthworks adjacent to any watercourse

Note: If you have ticked any of the above boxes you may be required to fill out an additional form to be submitted as part of your application. Please contact the Environment Helpdesk at Greater Wellington if you are unsure which forms you may require.



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## Part B: Assessment of effects on the environment (AEE)

If your proposed activity is likely to have a significant impact on the environment you will need to complete a more detailed environmental assessment in accordance with the Fourth Schedule of the Resource Management Act 1991.

### Water quality

1. What are the actual and potential effects of your proposed activity in terms of water quality and loss of habitat and how do you propose to avoid or minimise these effects?

In consideration of this question, please provide detailed comment on each of the points listed below:

**Sediment runoff:**

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**Building debris:**

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**Machinery fuels:**

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**Concrete:**

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**Other objects or chemicals entering the watercourse:**

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[Continue on a separate page if necessary]

Note: For guidance on erosion and sediment control measures please refer to the Erosion and Sediment Control for Small sites our web site <http://www.gw.govt.nz/council-publications/pdfs/Small%20sites%20guidelines1.pdf> or the booklet available from Greater Wellington. To get a booklet sent out to you please call the Environment Helpdesk on 04 830 4255.

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## Part B: Assessment of effects on the environment (AEE) (continued)

### Machinery

2. Describe the extent to which machinery is required to undertake your activity and whether machinery is required to enter the watercourse. How do you propose to minimise the effects of machinery in or near the watercourse? How long will any machinery remain in or near the watercourse?

Note: If the works are significant in terms of the machinery required then a management plan for the use of machinery during the works may be required as part of the application.

In consideration of this question, please provide detailed comment on each of the points listed below:

**Machinery on the banks of a watercourse:**

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**Machinery in the bed of a watercourse:**

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**Machinery fuels and/or chemicals:**

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[Continue on a separate page if necessary]

3. Fish passage and spawning/migration

What are the actual and potential effects of your proposed activity in terms of fish passage and how do you propose to avoid or minimise these effects?

In consideration of this question, please provide detailed comment on each of the points listed below:

**Placement of structures in the watercourse:**

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**Alterations to water flow:**

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

**Physical barriers to fish passage:**

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*see attached report*

**Timing of works that may affect fish spawning/migration:**

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[Continue on a separate page if necessary]

**4. Erosion**

**What are the actual and potential effects of your proposed activity in terms of erosion and how do you propose to avoid or minimise these effects?**

In consideration of this question, please provide detailed comment on each of the points listed below:

**Placement of structures in the bed or banks of the watercourse:**

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*see attached report*

**Change in water flow velocities and water flow paths:**

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*see attached report*

**Removal of vegetation associated with the works:**

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[Continue on a separate page if necessary]

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

**5. Neighbours and other people**

**What are the actual and potential effects of your proposed activity in terms of effects on neighbours and/or other people and how do you propose to avoid or minimise these effects?**

In consideration of this question, please provide detailed comment on each of the points listed below:

**Other people who may be affected by the works:**

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**Upstream ponding or flooding:**

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**Cultural, heritage and archaeological values:**

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**Recreational users of the water source**

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[Continue on a separate page if necessary]

**6. Other effects**

**Are there any other actual or potential effects of your proposed activity and how do you propose to avoid or minimise these effects (for example, visual effects, other physical effects)?**

In consideration of this question, please provide detailed comment on each of the points listed below:

**Downstream effects:**

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

Other effects:

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[Continue on a separate page if necessary]

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**Part C: Monitoring and management of your activity**

1. **What monitoring and management do you propose to ensure any potential adverse effects on the environment are avoided, remedied or mitigated?** (This may include, but is not limited to, monitoring of water quality and sediment discharges, monitoring of equipment to be used, briefing of contractors/operators undertaking the works, contingency measures etc). Include details on what is to be monitored, when, how, and why.

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*See attached report*

[Continue on a separate page if necessary]

2. **How will you ensure all the contractors/operators undertaking the works are aware of all the consent requirements?**

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## 6e Land use consent application for soil disturbance

You should use this form if you want to do something which involves soil disturbance. Soil disturbance means the disturbance of land surfaces by blading, blasting, contouring, cultivating, ripping, root-taking, moving, removing soil or earth, by excavation, or by cutting.

Please answer all questions fully. You should discuss your application with one of Greater Wellington's resource advisors before completing this form.

Please enclose a site plan on Form 1 of your application. This should include the area of proposed soil disturbance, any area of significant slope instability, stockpiles, cut and fill areas, property boundaries, neighbouring dwellings and watercourses (including names if known).

### Part A: general

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

*See attached report*

Soil disturbance of 500-2,000 m<sup>3</sup>

Soil disturbance of more than 2,000 m<sup>3</sup>

2. What is the reason for the soil disturbance?

*Repairs & maintenance of banks & berms in Otaki River corridor;  
earthworks associated with development of structures and other  
works on the river banks & berms*

3. What is the area involved? \_\_\_\_\_ hectares

4. What is the topography of the area (eg, gently rolling, steep, hilly, flat, etc)?

5. What is the estimated amount of soil to be disturbed? \_\_\_\_\_ m<sup>3</sup> At what rate? \_\_\_\_\_ m<sup>3</sup>/yr

6. Please describe the material which is to be disturbed (include soil type, underlying rock, slope, vegetation cover):

*see attached report  
for details*

**Part A: general (continued)**

7. Is there a watercourse, dry or flowing, in the vicinity of the activity (include those within 50 m for flat land, and within 500 m for sloping land)? Yes  No

If yes, please name and give approximate distance from the activity. Include details of steps you propose to take to ensure that no vegetation, soil, slash or other debris can enter the watercourse:

*See attached report*

8. What is the proposed commencement date of the work? *On grant of consent*
9. What is the proposed completion date? *Expiry of consent*

10. Please describe how the work will be carried out:

*See attached report*

11. Will the work be completed in stages (include the length of time it will take to complete each stage)? Yes  No

If yes, in what stages?

*See attached report*

12. Is the work: permanent  or temporary ?

13. Who will be undertaking the work? *GWRC Flood Protection Department*

14. What are the proposed hours of operation/construction?

15. Describe any cut or fill batters, or both (include height, depth of excavation, slope and extent):

*see attached report*

16. Will you be stockpiling any material? Yes  No

If yes, please describe the dimension, location and duration of stockpiles:

*see attached report*

**Part B: assessment of effects on the environment**

SEE ATTACHED REPORT

Where your activity could have a significant adverse effect on the environment a more detailed environmental assessment is required in accordance with the Fourth Schedule of the Resource Management Act 1991. A resource advisor can discuss this with you.

1. Are there any alternative locations or methods for carrying out the work? Yes  No

(1) If yes, where or how?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(2) Why have you chosen this location or method over the others?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Within a reasonable distance of the activity are there any:

- (1) Obvious signs of biota (eg, fish, eels, insect life, aquatic plants)? Yes  No
- (2) Areas where food is gathered (eg, fish, kaimoana)? Yes  No
- (3) Wetlands (eg, swamp areas)? Yes  No
- (4) Waterbodies where quality may be affected? Yes  No
- (5) Areas or aspects of significance to iwi that you are aware of? Yes  No
- (6) Stormwater inlets? Yes  No
- (7) Areas of slope instability (eg, slump, earth flow)? Yes  No

Describe the plants, animals and habitat of the surrounding area:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

If you have answered yes to any of the above, describe what effects your proposed land use consent may have and the steps you proposed to take to mitigate these:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[Continue on a separate page if necessary]



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**Part B: assessment of effects on the environment (continued)**

3. Are you proposing sediment retention and/or sediment run-off control methods? Yes  No

If yes, what?

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4. Are you proposing any land rehabilitation? Yes  No

If yes, what?

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*See attached report*

5. Do you proposed to undertake any type of monitoring? Yes  No

If yes, what?

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**For office use only**

Consent No. \_\_\_\_\_

Renewal: Yes  No



## 7a Coastal permit application

Please answer all questions fully. Officers from Greater Wellington's Environmental Regulation department are available to assist with filling out this form or to clarify information to include with your application.

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

Separate application forms should be used for any take, use, damming or diversion of any seawater (Forms 1a and 1b) or discharge of contaminants or water into coastal marine area (Form 3a).

Further information is provided at the end of this form on whether your activity falls within the coastal marine area.

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

#### 1. What activity will you be undertaking?

Routine operations & maintenance activities, in the beds of the Otaki River, Ranginuru Stream & Katihiku Drain within the CMA - including clearance of flood debris, bed recontouring, channel diversion cuts, gravel extraction, river mouth realignment & contingency works

#### 2. Are you:

- |  |   |  |
|--|---|--|
| (1) Reclaiming or draining?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| (2) Erecting, reconstructing, placing, altering, extending, removing or demolishing any structure?                       | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| (3) Disturbing the foreshore or seabed by excavating, drilling or tunnelling?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (4) Depositing any substance?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (5) Destroying, damaging or disturbing the foreshore or seabed?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (6) Introducing or planting any exotic or introduced plant?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| (7) Occupying an area of the foreshore or seabed? (including temporary activities which restricts public use and access) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |
| (8) Removing sand, shingle or other material?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |
| (9) Undertaking any activity that will generate noise?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |

#### 3. Why do you need to undertake this activity?

Flood protection and erosion control purposes

4. Are there any alternative locations or methods for activity? If yes, where or how and why have you chosen this over others?

See attached report

5. What is the area of foreshore and seabed affected by your proposal? Including width, depth, height

See attached report

6. **Locality map**

Please show the location of you proposed activity. Alternatively you may wish to attach a plan/aerial photograph showing the above information.

See attached report



## Part B: Assessment of effects on the environment (AEE)

SEE ATTACHED REPORT

If your proposal is likely to have a significant impact on the environment you will need to complete a more detailed environmental assessment in accordance with the Fourth Schedule of the Resource Management Act 1991.

As a general guide the environmental assessment should include as a minimum the following:

- A description of the existing surrounding environment.
- A description of the actual or potential impacts your proposal will have on the surrounding environment (including ecological, coastal processes, water quality, flooding, erosion or scour, landscape or visual, public access, recreational, historical or cultural impacts).
- A description of the mitigation methods to be used to help prevent or reduce any of the impacts identified above.

### 1. Please describe the environment surrounding the proposed location?

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### 2. Within a reasonable distance of the activity are there any:

- |  |                              |                             |
|--|------------------------------|-----------------------------|
| a) Obvious signs of biota (eg, fish, eels, insect life, aquatic plants)?           | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| b) Areas where food is gathered (eg, fish, kaimoana)?                              | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| c) Wetlands (eg, swamp areas)?   | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| d) Waste discharges (eg, from rural sources, industries, sewage plants)?           | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| e) Recreational activities carried out (eg, swimming, fishing, canoeing, boating)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| f) Areas of particular aesthetic or scientific value (eg, archaeological sites)?   | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| g) Will hazardous or toxic chemicals be used or stored on site (eg, fuel)?         | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| h) Will the water quality be affected?   | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| i) Will access to the coastal area be affected?                                    | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| j) Areas or aspects of significance to iwi that you are aware of?                  | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| k) Will the proposed activity increase the risk of flooding or inundation?         | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| l) Residential dwellings?  | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

3. If you have answered yes to any of the above, describe what impact your proposal will have:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. What steps do you propose to take to avoid, remedy, or mitigate these effects?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*See attached report*

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### Part C: Monitoring and management of your activity

1. Who is responsible for the maintenance or management of your activity after it has been implemented?

*GWRC Flood Protection Department*  
\_\_\_\_\_  
\_\_\_\_\_

2. Do you propose to monitor during and/or after completion of your activity? If yes, describe the monitoring (include details of what will be monitored, responsible persons, frequency of monitoring)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*See attached report*

3. How will maintenance be undertaken if required? (include any contingency or management plans prepared or details of potential ways in which maintenance would be undertaken)

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\_\_\_\_\_  
\_\_\_\_\_