



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? WAR/WGN _____

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:

[Continue on a separate page if necessary]

3. What is the purpose of the proposed structure?

[Continue on a separate page if necessary]

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.

Note: Remember to show where north is.

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.

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

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.

Part A: general (continued)

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

13. Who will be undertaking the work?

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

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

16. What is the proposed completion date?

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

Please explain:

18. 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.

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:

Building debris:

Machinery fuels:

Concrete:

Other objects or chemicals entering the watercourse:

[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.

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 near or in the waterway?

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:

Machinery in the bed of a watercourse:

Machinery fuels and/or chemicals:

[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:

Alterations to water flow:

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

Physical barriers to fish passage:

Timing of works that may affect fish spawning/migration:

[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:

Change in water flow velocities and water flow paths:

Removal of vegetation associated with the works:

[Continue on a separate page if necessary]

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:

Upstream ponding or flooding:

Cultural, heritage and archaeological values:

Recreational users of the water source

[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:
