

Part B

Assessment of Environmental Effects – Carry out Works in the Beds or Banks of a Water Body (Excluding Dams or Weirs)



Caring for Northland and its Environment

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This application is made under Section 88/Section 127 of the Resource Management Act 1991

To: The Secretary
Northland Regional Council
Private Bag 9021
Whangarei 0120

PART B – ASSESSMENT OF ENVIRONMENTAL EFFECTS

Your application must include an Assessment of Effects on the Environment. This form and the associated Information Requirement Booklet will help you prepare it.

An assessment of effects is required so that you and others can understand what happens to the environment when you undertake an activity in the bed or margin of a water body or lake. This will help you to propose ways to minimise those effects to the Regional Council's satisfaction.

The degree of detail required is in proportion to the scale of the environmental effects of your proposal. If the size of your proposed activity or the scale of its potential effects is significant, a report by a professional advisor in support of your application may be required.

Please note that the word "environment" includes the surrounding waterways including coastal water, adjoining land, any surrounding resource users, and local iwi.

It is advised that you make an appointment with an appropriate Council Officer to discuss your application prior to lodging it. This will help you supply all the required information at the onset and ensure the efficient processing of your application.

A. Describe the Proposed Activity

A.1 Tick the appropriate box to identify the types of proposed works (note that your proposal may include more than one of the options listed below).

- Use, erect, reconstruct, place, alter, extend, remove or demolish any **structure** excluding dams or weirs (eg. bridges, culverts)
- Extraction of gravel from the bed of a waterway
- Stream diversion works
- Streambank protection works
- Construction or alteration of stopbanks
- Disturbance of vegetation (eg. willow removal)
- Draining a wetland or reclaiming the bed
- Other (please specify) _____

A.2 What is the name of the water body in which you propose to undertake the works?

A.3 What is the approximate area of the proposed works? _____ m²

A.4 If in a stream or river, what length of stream is affected by these works? _____ metres

A.5 How will the works be carried out? (ie. what machinery will be used)

A.6 Who will be undertaking the works? _____

A.7 What date do you propose to start the works? _____

A.8 When do you expect to complete the works? _____

A.9 Will the works be carried out within areas which are covered by water? Yes No

A.10 Are the works: Permanent Temporary

A.11 Will you be stockpiling any material on a floodplain?

No

Yes, provide details of the dimension, location and duration of the proposed stockpiles

If the works are associated with a structure answer the questions in A.12, otherwise go to Section B.

A.12 Structure Details

What is the length of the proposed structure? _____ m

What is the width of the structure? _____ m

What is the height of the structure? _____ m

What is the cross-sectional area of the structure? _____ m²

For culverts, what is the diameter? _____ m

For culverts, will the base of the culvert be level with the bed of the stream? Yes No

For culverts, is an overland flow pathway being provided? *Please describe (and include in site plans in Section B)*

Does the structure involve the use of piles or similar on the bed of the water body?

Yes No

For bridges what is the height difference between the base of the bridge and the water level during a flood event? _____ metres

Provide details on the types of construction materials associated with the structure?

B. Site Details

B.1 Site Map

You **must** attach a map that shows the following:

- The location of the water body
- The location of any proposed structure and/or works
- The length of the water body or area of lake or wetland which will be affected by the proposed works
- The legal property boundaries in the vicinity of the proposed works and the names of the owners and/or occupiers
- The location of any other streams, rivers and/or springs in the area
- If the water body is a river or stream, you should indicate the direction of flow

B.2 Structure Plans

If the proposed works are associated with a structure, provide a plan of the proposed structure. The plan should be drawn to scale and show all relevant dimensions.

B.3 Describe the riparian (and/or wetland) vegetation in the area surrounding the works? (eg. grass, native or exotic trees, scrub) _____

B.4 What is the catchment area above this site? _____ ha

B.5 What type of water body will your proposed works be undertaken in? *(tick appropriate box and answer those questions)*

River, Stream or Spring

What is the depth of water during normal flows? _____ m
 What is the range of water depths during flood events? _____ m
 What is the average channel width from bank to bank at the site where the proposed works are to be carried out? _____ m
 If the width of the stream varies upstream and downstream of the site, an indication of the maximum and minimum width should also be provided. _____

 What is the estimated average water flow velocity? _____ litres per second
 What is the average slope of the streambed at the site where the proposed works are to be carried out? _____ degrees
 Provide a description of the bed of the river, stream or spring? *(ie. gravel, sand, silt, boulders etc)* _____

Lake

What is the size of the lake? _____ ha
 What is the average depth of the lake? _____ m
 Does the lake have a natural outlet? *(ie. does water flow from the lake)* Yes No
 What is the main source of water that fills the lake? *(tick as many boxes as appropriate)*
 Direct rainfall Runoff from surrounding land
 Streams Springs
 Provide a description of the bed of lake? *(ie. gravel, sand, silt, boulders etc)* _____

Wetlands

What is the size of the wetland? _____ ha
 Does the wetland have a natural outlet? *(ie. does water flow from the wetland)* Yes No
 What is the main source of water that fills the lake? *(tick as many boxes as appropriate)*
 Direct rainfall Runoff from surrounding land
 Streams Springs

Man-made Reservoir behind a Dam or Weir

What is the size of the reservoir? _____ ha
 How deep is the reservoir? _____ m
 Does the reservoir have an outlet? *(ie. does water flow from the reservoir?)* Yes No
 What is the main source of water that fills the lake? *(tick as many boxes as appropriate)*
 Direct rainfall Runoff from surrounding land
 Streams Springs
 Provide a description of the bed of lake? *(ie. gravel, sand, silt, boulders etc)* _____

C. Assessment of Effects on the Environment

An assessment of effects should be proportional to the scale and significance of the proposed activity. Where the proposed works could have an adverse effect on the environment, a detailed environmental assessment is required.

C.1 Affected Parties

Will the proposed earthworks have an effect on any other people in the surrounding area eg. land movements on adjacent properties, silt affecting downstream water users, or dust blowing onto other properties?

No, why not? _____

Yes, provide details of the affected people/parties and how the proposed activity may affect them.

If written approvals are obtained from all parties that may be affected by the earthworks, and the effects of your proposed earthworks are minor, then the Regional Council is likely to process your application without public notification.

If written approval cannot be obtained, suggest ways to reduce the effect on neighbours (mitigation measures).

C.2 Consultation

Have you consulted with any of the following potentially affected parties:

	Yes	No
Neighbours	<input type="checkbox"/>	<input type="checkbox"/>
Other downstream water users	<input type="checkbox"/>	<input type="checkbox"/>
Department of Conservation <i>(if relevant)</i>	<input type="checkbox"/>	<input type="checkbox"/>
Fish and Game Council <i>(if relevant)</i>	<input type="checkbox"/>	<input type="checkbox"/>
Local iwi <i>(specify):</i> _____	<input type="checkbox"/>	<input type="checkbox"/>
Other <i>(specify):</i> _____	<input type="checkbox"/>	<input type="checkbox"/>

Please attach record of the consultation taken place.

C.3 Effect on the Stream/Waterway

Are there any of the following in the vicinity of the proposed works?

	Present	
	Yes	No
Obvious signs or known aquatic biota (eg. eels, other fish, insects, aquatic plants)?	<input type="checkbox"/>	<input type="checkbox"/>
Areas of indigenous vegetation or habitats of indigenous fauna in the margins of the water body?	<input type="checkbox"/>	<input type="checkbox"/>
Areas where food is gathered (eg. watercress, eels, wildfowl)	<input type="checkbox"/>	<input type="checkbox"/>
Natural Wetlands	<input type="checkbox"/>	<input type="checkbox"/>
Waste discharges (eg. dairy sheds, industrial, treatment plants)	<input type="checkbox"/>	<input type="checkbox"/>
Recreational activities (eg. swimming, fishing, canoeing)	<input type="checkbox"/>	<input type="checkbox"/>
Areas of special aesthetic value (eg. waterfalls)	<input type="checkbox"/>	<input type="checkbox"/>
Areas of significance to iwi	<input type="checkbox"/>	<input type="checkbox"/>
Areas prone to erosion	<input type="checkbox"/>	<input type="checkbox"/>

If you have answered **Yes** to any of the above, describe what effect your works may have and the steps you propose to take to minimise (ie. mitigate) these effects (attach a separate sheet if necessary).

C.4 Will the proposed works result in any sediment or silt entering any of the nearby waterways?

No, why not? _____

Yes, are you proposing any sediment retention or sediment control methods?

No

Yes, provide details of proposed control methods including dimensions

C.5 Are you proposing any erosion control measures associated with the proposed works?

- No
- Yes, provide details _____

C.6 Alternatives

Have you considered any alternatives for the proposed works? *(ie. alternative sites or methods)*

- No
- Yes, provide details and the reason for choosing preferred works _____

C.7 Positive Effects

What positive effects will the proposed works have, eg. environmental, economic?

C.8 Monitoring

What monitoring do you propose to carry out to measure any effects on the environment?

Please ensure that all the relevant questions on this form have been answered fully.

If you have any queries relating to information requirements or wish to meet with a Council Consents Officer, please contact the Northland Regional Council.

Northland Regional Council Offices:

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