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| **Part B**  **Assessment of**  **Environmental Effects –**  **Carry out Works in the Beds or Banks of a Water Body**  **(excluding Dams or Weirs)** | M:\Community Relations\All Staff - Communication resources\NRC logos for general use\NRC logo (full colour).png  Whangārei Office Phone: 09 470 1200  Fax: 09 470 1202  Kaitāia Office Phone: 09 408 6600  Waipapa Office Phone: 09 470 1200  Ōpua Office Phone: 09 402 7516  Dargaville Office Phone: 09 439 3300  Free Phone 0800 002 004  Email mailroom@nrc.govt.nz  Website www.nrc.govt.nz |
| **This application is made under section 88/section 127 of the Resource Management Act 1991** | To: Consents Department  Northland Regional Council  Private Bag 9021  Whangārei Mail Centre  Whangārei 0148 |

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| 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 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. |

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| A. | Describe the Proposed Activity |

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| **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 (e.g. 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 (e.g. willow removal)  Draining a wetland or reclaiming the bed | |
| Other *(please specify)* |  |

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| **A.2** **What is the name of the water body in which you propose to undertake the works?** | |
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| **A.3 What is the approximate area of the proposed works?** |  | m² |

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

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| **A.5 How will the works be carried out?** *(i.e. what machinery will be used)* | |
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| **A.6** **Who will be undertaking the works?** | |
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| **A.7 What date do you propose to start the works?** |  |

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

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

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| **A.10 Are the works:**  Permanent  Temporary |

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

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| **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? | | | | | |
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| B. | Site Details |

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| **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 |

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| 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. |

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| **B.3 Describe the riparian (and/or wetland) vegetation in the area surrounding the works?**  *(e.g. grass, native or exotic trees, scrub)* | |
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| **B****.4** **What is the catchment area above this site?** |  | ha |

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| **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. | | | | | |
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| 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? *(i.e. gravel, sand, silt, boulders etc)* | | | | | |
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| **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? *(i.e. 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? *(i.e. gravel, sand, silt, boulders etc)* | | | | | |
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| **Wetlands** | | | | | |
| What is the size of the wetland? | | |  | | ha |
| Does the wetland have a natural outlet?  *(i.e. 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? *(i.e. 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? *(i.e. gravel, sand, silt, boulders etc)* | | | | | |
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| 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.

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| C.1 Affected Parties  **Will the proposed earthworks have an effect on any other people in the surrounding area e.g. land movements on adjacent properties, silt affecting downstream water users, or dust blowing onto other properties?**  No, why not? | | |
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| Yes, provide details of the affected people/parties and how the proposed activity may affect them. | | |
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| 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 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). | | |
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| **C.2 Consultation** | | | | |
|  | Have you consulted with any of the following potentially affected parties: | |  |  |
|  |  | | **Yes** | **No** |
|  | Neighbours | |  |  |
|  | Other downstream water users | |  |  |
|  | Department of Conservation *(if relevant)* | |  |  |
|  | Fish and Game Council *(if relevant)* | |  |  |
|  | Local iwi *(specify)*: |  |  |  |
|  | Other *(specify)*: |  |  |  |
|  | Please attach record of the consultation taken place. | | | |

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| 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 (e.g. eels, other fish, insects, aquatic plants)? |  |  | |
|  | Areas of indigenous vegetation or habitats of indigenous fauna in the margins of the water body? |  |  | |
|  | Areas where food is gathered (e.g. watercress, eels, wildfowl) |  |  | |
|  | Natural Wetlands |  |  | |
|  | Waste discharges (e.g. dairy sheds, industrial, treatment plants) |  |  | |
|  | Recreational activities (e.g. swimming, fishing, canoeing) |  |  | |
|  | Areas of special aesthetic value (e.g. waterfalls) |  |  | |
|  | Areas of significance to iwi |  |  | |
|  | Areas prone to erosion |  |  | |
| 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 (i.e. mitigate) these effects (attach a separate sheet if necessary). | | | |
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| C.4 Will the proposed works result in any sediment or silt entering any of the nearby waterways?  No, why not? | | | |
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| Yes, are you proposing any sediment retention or sediment control methods?  No  Yes, provide details of proposed control methods including dimensions | | |
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| C.5 Are you proposing any erosion control measures associated with the proposed works?  No  Yes, provide details | |
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| C.6 Alternatives  Have you considered any alternatives for the proposed works? *(i.e. alternative sites or methods)*  No  Yes, provide details and the reason for choosing preferred works | |
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| **C.7 Positive Effects**  **What positive effects will the proposed works have, e.g. environmental, economic?** | |
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| **C.8 Monitoring**  **What monitoring do you propose to carry out to measure any effects on the environment?** | |
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***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.***

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| Northland Regional Council offices: | | | | |
| Whangārei Office | Dargaville Office | Kaitāia Office | Waipapa Office | Ōpua Office |
| 36 Water Street  Whangārei 0110  Phone: 09 470 1200  or 0800 002 004  Fax: 09 470 1202  mailroom@nrc.govt.nz  www.nrc.govt.nz | 42 Hokianga Road  Dargaville 0310  Phone: 09 439 3300 | 192 Commerce Street  Kaitāia 0410  Phone: 09 408 6600 | Shop 9  12 Klinac Lane  Waipapa 0295  Phone: 09 470 1200  or 0800 002 004  Fax: 09 470 1202 | Unit 10  Industrial Marine Park  Ōpua 0200  Phone: 09 402 7516 |