

Water Permit Application To Dam Water

Use this form for any activity which impounds all or part of the flow of a watercourse.

Please answer all questions fully. You should discuss your application with a Council consents officer prior to filling out this form.

Show the location of the dam and adjoining properties on your map on Form 1. Include design plans if available.

Part A: General

1. Is the dam: existing or proposed ?

If you are constructing a new dam in a watercourse, a Land Use Consent is also required. Use Application Form No. 10.

2. What is the purpose of the dam (eg. recreation, stock water, irrigation, etc.)?

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

4. What is the approximate volume of water to be stored by the dam?

..... cubic metres

5. What is the height of the dam crest above the lowest original ground level?

..... metres

6. What is the length of the dam across the watercourse?

..... metres

7. What are the spillway dimensions? Width:

Depth:

..... metres

..... metres

8. Does the dam also involve:

| | | |
|------------------|---------------------------|--------------------------|
| Taking water? | Yes <input type="radio"/> | No <input type="radio"/> |
| Diverting water? | Yes <input type="radio"/> | No <input type="radio"/> |
| Discharging? | Yes <input type="radio"/> | No <input type="radio"/> |

If you answered Yes to any of 8 above, a separate consent application may be required.

Part B: Assessment of Effects on the Environment

Where your dam 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.

- | | Yes | No |
|---|-----------------------|-----------------------|
| 1. Does the watercourse feeding the dam flow all year? | <input type="radio"/> | <input type="radio"/> |
| If no, what is the approximate length of the dry period? weeks | | |
| 2. Will the damming have an effect on water availability to downstream users? | <input type="radio"/> | <input type="radio"/> |
| 3. Within a reasonable distance up or downstream of the dam are there any: | | |
| Obvious signs of biota (eg. fish, eels, insect life, aquatic plants)? | <input type="radio"/> | <input type="radio"/> |
| Areas where food is gathered from the stream (eg. watercress, eels, wild fowl, kaimoana)? | <input type="radio"/> | <input type="radio"/> |
| Wetlands (eg. swamp areas)? | <input type="radio"/> | <input type="radio"/> |
| Waste discharges (eg. from rural sources, industries, sewerage plants etc.)? | <input type="radio"/> | <input type="radio"/> |
| Recreational activities carried out (eg. swimming, fishing, canoeing)? | <input type="radio"/> | <input type="radio"/> |
| Areas of particular aesthetic or scientific value (eg. scenic waterfall, rapids, archaeological sites)? | <input type="radio"/> | <input type="radio"/> |
| Areas or aspects of significance to iwi? | <input type="radio"/> | <input type="radio"/> |

If you have answered Yes to any of 1,2 and any part of 3 above, describe what effects your damming 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 damming.

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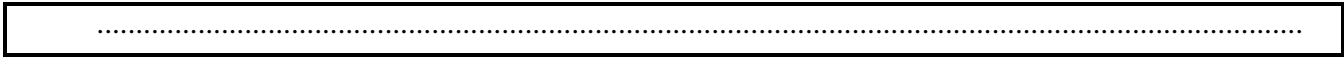
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(Continue on a separate page if necessary)

4. Have you provided any means for fish to bypass the dam (eg. fish ladders, elver tubes, etc.) Yes No
- Please describe:
-
-
5. Describe the bed of the watercourse immediately above and below the dam site (eg. is it gravelly, muddy or sandy?)
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Part B: Assessment of Effects on the Environment (continued)

6. Will the pond formed cause flooding, loss of access or other problems to neighbouring properties. Yes No

Please describe:
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7. If water is to be taken from the dam, is the dam capable of being filled again each year from the available catchment area? Yes No

Do you have calculations to support this? Yes No

Please describe or attach calculations:
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8. Please attach your calculations which show that the dam and spillway design are adequate, including design flood flows, return periods, etc.

9. Who or what might be affected downstream in the event of dam failure (eg. houses, roads, crops, bridges)?
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10. Are there any alternative sites or methods for damming the water? If yes why have you not chosen any of these?
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11. What, if any, monitoring do you propose to carry out to ensure that your dam does not have any adverse effect?
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