



Office Use Only
Application No.
Deposit Paid

Information on Fish Passage under the NES Freshwater Regulations

This information must be collected and provided to the Council within 20 working days after the activity is finished for any placement, alteration, extension or reconstruction of a culvert, weir, flap gate, dam or ford.

Date information was collected:

Time information was collected:.....

Type of structure:

Geographical co-ordinates of structure (NZTM preferred):

Flow of the river or connected area:

- None**
- Low**
- Normal**
- High**
- Other**

Is the water flow tidal at the structures location?

- Yes**
- No**

At the Structures location detail the following:

- The width of the river or connected area at the water's surface:
- The width of the bed of the river or connected area:

Detail any improvements made to the structure to mitigate any effects the structure may have on fish passage:

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Does the structure protect particular species or prevent access by particular species to protect other species?

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Detail the likelihood that the structure will impede the passage of fish:

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Attach visual evidence (for example photographs) that show both ends of the structure, viewed upstream and downstream



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Information for Culverts under the NES Freshwater Regulations

The culvert's asset number (if known):

Is the culverts ownership held by:

- The Crown (e.g.DoC)
- Regional Council
- District Council or Territorial Authority
- NZ Transport Agency
- KiwiRail Holdings Ltd
- Held publically by another person
or organization
- Held privately
- Unknown

Please provide the following information:

The number of barrels that make up the culvert:

The culvert's shape:

The culvert's length:

The culvert's diameter or its width and height:

The height of the drop (if any) from the culvert's outlet:

The length of the undercut or erosion (if any) from the culvert's outlet:

The material from which the culvert is made:

The mean depth of water through the culvert:

The mean water velocity through the culvert:

Whether there are low velocity zones downstream of the culvert:

The type of bed substrate that is in most of the culvert:

Detail any remediation features (e.g. baffles or spat rope) in the Culvert:

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Does the culvert have wetted margins?

The slope of the culvert:

The alignment of the culvert:

The numbers of each other type of structure to which this information applies or of wingwalls or screens on the culvert, detail:

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Is there any apron or ramp on the culvert? If yes provide the information required below on the form for aprons and ramps.

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Information for Weirs under the NES Freshwater

The weir's asset identification number, if known:

Is the culvert's ownership held by:

- The Crown (e.g.DoC)
- Regional Council
- District Council or Territorial Authority
- NZ Transport Agency
- KiwiRail Holdings Ltd
- Held publically by another person
or organization
- Held privately
- Unknown

Please provide the following information:

The type of weir:

The weirs crest shape:

The weir's height:

The weirs width:

The material from which the weir is made:

The type of bed substrate that is present across most of the weir:

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Whether there are any remediation features (e.g. baffles or spat rope) in the weir:

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Does the weir have wetted margins?

The slope of the weir:

The backwater distance from the weir, meaning the distance furthest upstream where the water level is influenced by the weir:

The numbers of each other type of structure to which this information applies or of wingwalls or screens on the weir:

Is there an apron or ramp on the weir? If yes provide the information required below on the form for aprons and ramps.

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Information for Flap Gates under the NES Freshwater Regulations

The flap gate's asset identification number, if known:

Is the flap gate's ownership held by:

- The Crown (e.g.DoC)
- Regional Council
- District Council or Territorial Authority
- NZ Transport Agency
- KiwiRail Holdings Ltd
- Held publically by another person
or organization
- Held privately
- Unknown

Please provide the following information:

The type of flap gate:

The flap gate's height:

The flap gate's width:

The material from which the flap gate is made:

The numbers of each other type of structure to which this information applies or
of wingwalls or screens on the flap gate:

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Is there an apron or ramp on the flap gate? If yes provide the information required below on the form for aprons and ramps.

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Information for Dams under the NES Freshwater Regulations

The dam's asset identification number, if known:

Is the dam's ownership held by:

- The Crown (e.g.DoC)
- Regional Council
- District Council or Territorial Authority
- NZ Transport Agency
- KiwiRail Holdings Ltd
- Held publically by another person or organization
- Held privately
- Unknown

Please provide the following information:

The dam's height:

Whether the dam has a spillway, meaning a structure used to control the release of flows from the dam into a downstream area:

The numbers of each other type of structure to which this information applies or of wingwalls or screens on the dam:

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Is there an apron or ramp on the dam? If yes provide the information required below on the form for aprons and ramps.

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Information for Fords under the NES Freshwater Regulations

The ford's asset identification number, if known:

Is the ford's ownership held by:

- The Crown (e.g.DoC)
- Regional Council
- District Council or Territorial Authority
- NZ Transport Agency
- KiwiRail Holdings Ltd
- Held publically by another person or organization
- Held privately
- Unknown

Please provide the following information:

The ford's length:

The ford's width:

The height of the drop (if any) from the ford's downstream end:

The material from which the ford is made:

The type of bed substrate that is across most of the ford:

The numbers of each other type of structure to which this information applies or of wingwalls or screens on the ford:

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Is there an apron or ramp on the ford? If yes provide the information required below on the form for aprons and ramps.

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Information for Aprons and Ramps under the NES Freshwater Regulations

Please provide the following information:

Apron

The apron's length:

The height of the drop (if any) from the apron's downstream end:

The material from which the apron is made:

The mean depth of the water across the apron:

The mean water velocity across the apron:

The type of bed substrate that is across most of the apron:

Ramp

The ramp's length:

The slope of the ramp:

The type of surface the ramp has:

Whether the ramp has wetted margins: