

Application for Resource Consent: Surface Water Take

Form B: Activity Information and Assessment Form

A complete Administration Form (Form A) MUST accompany this Activity Information and Assessment Form (Form B) when lodging your application. The purpose of this form is to provide the applicant with guidance on information that is required under the

Resource Management Act 1991. These forms are to act as a guide only, and Horizons Regional Council reserves the right to request additional information.

! PLEASE READ THE FOLLOWING BEFORE COMPLETING THIS FORM

Before submitting this application you will need confirmation of whether the proposed volume of water sought is available as per the cumulative core allocation limits set out in Schedule C. To determine this you will need to email surfacewater@horizons.govt.nz and specify:

- Name
- Address
- Contact phone number
- Location of Activity (please be as accurate as possible, if needed you can mark this abstraction point on a map)
- Surface water management zone as identified in Schedule A
- Volume of water sought
- Purpose

Please allow 2-3 working days for a reply and supply a copy of the response as part of the application.

APPLICANT NAME

(Refer to Form A)

1 APPLICATION PURPOSE

What is the purpose of this application (select one)

- New consent
- Renewal of consent

Consent number Expiry date.....

Consent term sought

(Max. 35 years)

Note: Resource consents are typically aligned with the relevant common catchment expiry dates in Policy 12-5 of the One Plan.

2 LOCATION AND SITE DETAILS

Address

Legal description

Map reference of proposed abstraction (NZTM 2000) E..... N.....

What type of surfacewater body/s do you intend to take water from?

- River/stream/creek
- Spring
- Pond/ dam
- Lake

What is the name of the water body/s of the proposed take/s?

If the water body is unnamed then please note this and state which water body it is a tributary of.

According to Schedule A of the One Plan, what Surface Water Management Zone is this in?

You can access this information via <http://www.horizons.govt.nz/publications-feedback/one-plan/part-3-annexes/schedules>.

3 DESCRIPTION OF PROPOSED ACTIVITY

What will be the maximum rate at which water is taken?

..... litres per second

..... m³/day (cubic metres per day)

..... m³/year (cubic metres per year, accounting for leap years where there is 366 days)

What is the proposed use of the water abstracted?

- Irrigation *(please complete Table 1 below)*
- Domestic water supply *(please complete Table 2 below)*
- Stockwater/dairyshed washdown *(please complete Table 3 below)*
- Municipal supply
- Industrial *(please complete Table 4 below)*
- Other *(please complete Table 4 below)*

TABLE 1 IRRIGATION

What is the area/s you will be irrigating?

Crop(s) ha TOTAL Crop type

..... ha/day

Pasture ha TOTAL

..... ha/day

Horticulture ha Horticulture type.....

..... ha/day

Other ha Please specify

..... ha/day

Please ensure the area to be irrigated is marked on the site map required under Section 4.

Target application rate mm/day

Explain how you have determined that the volume requested is reasonable for the needs of your crop/horticulture. (E.g. comment on any calculations or experience). If based on an efficiency assessment by an industry professional, please provide documentation of this.

Irrigator type

Please advise if you intend to irrigate daily or on a rotational schedule. Please detail the schedule.

If you already hold a consent, have you changed or upgraded your irrigation system since that consent was granted? Yes No

If 'Yes', please specify how.

Please describe the soil type and characteristics for the area to be irrigated.

TABLE 2 DOMESTIC WATER SUPPLY

Please select the type of facility

- Private dwelling/s
Number of dwellings Maximum occupancy
- Commercial/rural (E.g. dairymshed, woolshed etc.)
Description Occupancy.....
- School
Maximum occupancy
- Camping Ground
Maximum occupancy including staff
- Marae
Maximum number of day visitors Overnight visitors
- Other
Please describe and include maximum occupancy

TABLE 3 STOCKWATER USAGE *(Please fill out the following table)*

Animal type/use	Number of individuals	Maximum reasonable use volume (L/individual/day)	Total water allowance (L/day)	Total water allowance (m ³ /day)
Dairy cow drinking water only		70		
Dairy shed washdown (per cow)		70		
Dairy cow (dry or replacement stock)		45		
Calves		30		
Beef cattle (mature cattle, herd replacement stock and bulls)		55		
Sheep		4.5		
Horses (working)		70		
Horses (grazing)		50		
Deer (hinds and stags - all ages)		12		
Goats (dairy - in milk)		10		
Goats (dry)		7		
Pigs (mature)		18		
Pigs (brood sow)		35		
Poultry (layer and breeder hens)		0.45		
Poultry (non-laying hens and chickens)		0.29		
Turkeys		0.1		
Domestic (per person)		300		
			TOTAL	

The water use requirements in this calculator are maximum likely requirements (or peak daily demand) and are based on the recommendations of Stewart & Rout (2007). Volumes calculated within these guidelines are considered to meet Horizons "reasonable use" criteria, although water use efficiency and best practice, particularly in relation to dairy shed washdown water, is expected and encouraged.

If you consider you are using more or less than those figures in the above table, please provide the calculations below.

TABLE 4 INDUSTRIAL USE/OTHER

What type of Industry/other use will be using the water and how will the water be used?

How have you calculated the volume of water you need? *Please provide any best practice or industry standards used.*

Do you take water from any other sources on your property for other purposes? If yes, please provide details.

WATER MEASURING AND REPORTING INFORMATION

Is there a water meter installed on the pump? Yes No

If 'No', when do you plan to install a water meter?

Is there a backflow preventer installed? Yes No

Is there telemetry installed? Yes No

If there is a water meter, please answer questions below

What is the flow meter type? Magflow Ultrasonic Mechanical Other

What is the flow meter brand type?

Is the meter *(please select one)* In situ On a mobile unit

Has the water meter been verified? Yes No

If 'Yes', who verified the water meter and when?

Please attach a copy of the verification certificate.

What is the method of abstraction *(E.g. suction hose, infiltration gallery etc)*. Please attach a photo of the setup of the take.

Is the intake screened? Yes No

If 'Yes', what is the minimum mesh size?(mm)

4 RULE ASSESSMENT

To determine if your application will be assessed as a controlled activity for which consent must be granted (Rule 16-5), or a discretionary activity (Rule 16-6), or non-complying activity (Rule 16-8) for which consent may or may not be granted we need to understand if your proposed activity meets all of the conditions of Rule 16-5.

Please explain how you meet or do not meet the relevant conditions, a blank space will not be accepted.

Conditions/Standards/Terms	Yes/No/N/A	Explanation of how you meet the condition
Water [^] must only be taken when the river [^] is above its minimum flow, as assessed in accordance with Schedule C.		
The amount of water [^] taken, when assessed in combination with all other water [^] takes must not exceed the relevant cumulative core allocation limits set out in Schedule C.		<i>You will need to email the science team at surfacewater@horizons.govt.nz to verify whether the proposed abstraction volume is within the core allocation. Please attach a copy of the response to your application.</i>
The amount of water taken from a river [^] must not lower the water [^] level in any wetland [^] that is a rare habitat* or threatened habitat*.		
The take must not be from any rare habitat*, threatened habitat* or at-risk habitat*.		

**Further information on rare, threatened or at-risk habitats can also be found in Schedule F of the One Plan, which can be accessed via <http://www.horizons.govt.nz/publications-feedback/one-plan/part-3-annexes/schedules>.*

Please select the appropriate activity status from the options below.

- The proposed activity is **not** in a rare habitat, threatened habitat or at-risk habitat. Your application is a **controlled activity**, you can proceed to fill out this form to complete your application, including an appropriate assessment of environmental effects.
- The proposed activity is in a rare habitat, threatened habitat or at-risk habitat. Your application is either a **discretionary activity or a non-complying activity**. A full assessment of environmental effects, prepared by a suitably qualified person must accompany your application, appropriate to the scale of the non-compliance with the rules above.

5 ASSESSMENT OF ENVIRONMENTAL EFFECTS

For your application to be considered, an assessment of effects must be included. Please answer all questions below. Additional information may need to be provided and/or assistance needed from a specialist depending on the scale and significance of your proposal.

Does your proposed abstraction volume fit within the core allocation limits set out in Schedule C?

Yes No

If 'No', please detail what potential effects this may have and how these may be mitigated.

Do you agree that you will not abstract any water below the dictated minimum flow set out in Schedule C?

Yes No

If 'No', please provide reasons for this and detail what the potential effects of taking below minimum flow may be, and how these will be mitigated.

Do you consider that there will be any other effects on the environment?

Yes No

(For example cultural effects, instream ecological effects, or effects on riparian vegetation).

Please provide reasons for your answer above.

6 GOOD MANAGEMENT PRACTICES AND MITIGATION MEASURES

Please include a description of the monitoring or good management practices to be undertaken to help avoid, reduce, remedy or mitigate the actual and potential effects on the environment.

Please describe any measures you are proposing to minimise wastage of water and maximise its efficient use.

(E.g. use of storage, variable rate irrigation, soil moisture monitoring, leak detection).

What measures will you take during periods of low flows (minimum flow restrictions)?

Are there any other measures that you intend to implement to prevent any potential effects on instream values?

(E.g. fish screens, maintenance, riparian planting, cultural effects if intending to take below minimum flow).

7 CONSIDERATION OF ALTERNATIVES

Have you considered the option of using any alternative sources of water?

- Yes *(please specify)*
- No

Explain why you have decided to take from the proposed water resource rather than any of the alternatives *(if any)*.

8 NATIONAL ENVIRONMENTAL STANDARDS

NATIONAL ENVIRONMENTAL STANDARDS FOR SOURCES OF HUMAN DRINKING WATER (NES-DW)

Are there any public water supplies that could be affected by the take? Yes No

An assessment under the NES-DW will need to identify any sources of human drinking water that supply more than 25 people that might be affected by the discharge. Horizons Regional Council holds a list of such water supplies within its region and will be able to provide assistance when identifying water supplies within the vicinity of the activity.

Discussion with the water supply operator may be beneficial in determining whether the supply could be affected and what measures can be taken to ensure the quality of the water supply is maintained.

RESOURCE MANAGEMENT (MEASUREMENT AND REPORTING OF WATER TAKES) REGULATIONS 2010

Does your proposed activity meet all the requirements of the above named regulations? Yes No

NOTE: Standard consent conditions for water takes include all the requirements.

Please state any other NES that you consider may be relevant to your activity and provide an assessment against that NES.

9 RELEVANT STATUTORY PROVISIONS

The Resource Management Act 1991 requires this application to include an assessment of the proposed activity against the One Plan. Answering the following questions will satisfy this requirement. If you are unable to answer the questions below, or you believe your proposal is inconsistent with the relevant policies and documents discussed, it is recommended you seek professional planning assistance to help you with your application. For a complete copy of the One Plan visit <http://www.horizons.govt.nz/publications-feedback/one-plan>.

REGIONAL POLICY ASSESSMENT

The objectives and policies of Chapters 2 (Te Ao Maori), and 5 (Water) are relevant to this application.

Is the activity consistent with the relevant provisions of the Regional Policy Statement? Yes No

Please provide reasons for your answer above

Please list any other relevant objective and /or policies of the Regional Policy Statement and provide an assessment of the activity against those objectives and/or policies.

REGIONAL PLAN ASSESSMENT

Objective 16-1 and Policy 16-1, 16-2 and 16-8 of Chapter 16 of the Regional Plan are relevant to this application.

Is the activity consistent with the relevant provisions of the Regional Plan? Yes No

Please provide reasons for your answer above

If there are other sections of the One Plan or any national planning document (e.g. NZ Coastal Policy Statement, National Policy Statement for Freshwater Management) that you consider are relevant, please provide an assessment of the activity against those relevant objectives/policies of the One Plan and/or national document.

10 ADDITIONAL INFORMATION REQUIRED WITH THIS FORM

- Administration Form (Form A)
- A SITE map to scale showing:
 - The geographical location of the property
 - The location of the water body
 - The location of the proposed abstraction point/s
 - The total property area boundary
 - Location of pump/pump shed
 - Existing or proposed flowmeter location
 - Where the water is to be used i.e. irrigation area, industrial use etc
 - Distances to any discharge activities
 - Mark any rare, threatened or at risk habitats in the vicinity of the take
 - The coastline and the distance to it (if relevant)
- Water meter verification certificate (if available)
- Photo of water take point
- Evidence of volume and efficiency calculations
- Soil map of the proposed irrigation area (if applicable)

Please contact the consents team on freephone **0508 800 800** if you require assistance with your application.