

# 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 RP-SCHED3. To determine this you will need to email [surfacewater@horizons.govt.nz](mailto: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 area as identified in RP-SCHED1
- 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 IP-P5 of the One Plan.

### 2 LOCATION AND SITE DETAILS

Address

Legal description

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

What type of surface waterbody/s do you intend to take water from?

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

What is the name of the waterbody/s of the proposed take/s?

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

According to RP-SCHED1 of the One Plan, what Surface Water Management Area 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

..... m<sup>3</sup>/day (cubic metres per day)

..... m<sup>3</sup>/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

**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 <sup>3</sup> /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  |                               |   |
|   |                       |  | <b>TOTAL</b>                  |   |

*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 EFFECT ON STATUTORY ACKNOWLEDGMENTS

Is the activity on, adjacent to, or may affect land that is subject of a statutory acknowledgment?

Yes  No

List of statutory acknowledgments:

Ngāti Tūwharetoa (Bay of Plenty) Claims Settlement Act 2005

Ngāa Rauru Kīitahi Claims Settlement Act 2005

Ngāti Apa (North Island) Claims Settlement Act 2010

Rangitāne o Manawatu Claims Settlement Act 2016

Rangitāne Tū Mai Rā (Wairarapa Tamaki nui-ā-Rua) Claims Settlement Act 2017

Ngāti Rangī Claims Settlement Act 2019

Information on statutory acknowledgments can be found on the Horizons website: <https://www.horizons.govt.nz/about-our-region-and-council/iwi-and-hapu>

If yes, Council must have regard to the statutory acknowledgments. We recommend that applicants considering undertaking works that may affect a statutory acknowledgment make contact with local iwi and/or hapū before the lodgement of a consent application to determine if there are any effects on the statutory acknowledgment.

#### 5 TE AWA TUPUA (WHANGANUI RIVER CLAIMS SETTLEMENT) ACT 2017

Are the proposed works in the Whanganui catchment?

Yes  No

*Please note that this covers a large area. If you are unsure, please contact the consents team.*

If yes, the Whanganui River and its wider catchment is the subject of the Te Awa Tupua (Whanganui River Claims Settlement) Act 2017. Council must have regard to the values of Te Awa Tupua when making a decision on any application we receive (regardless of activity status). On that basis, we recommend that parties considering undertaking works within the Whanganui catchment make contact with Ngā Tāngata Tiaki o Whanganui and local iwi and/or hapū before lodgement of a consent application to confirm any requirements under Te Awa Tupua and obtain feedback on the proposed works.

#### 6 TE WAIŪ-O-TE-IKA - WHANGAEHU RIVER (NGĀTI RANGI CLAIMS SETTLEMENT ACT 2019)

Are the proposed works in the Whanganui catchment?

Yes  No

*Please note that this covers a large area. If you are unsure, please contact the consents team.*

If yes, the Whangaeahu River and its wider catchment is the subject of Te Waiū-o-Te-Ika (Ngāti Rangī Claims Settlement Act 2019). Council must have regard to the values (Te Mana Tupua and Ngā Toka Tupua) of Te Waiū-o-Te-Ika when making a decision on any application we receive (regardless of activity status). On that basis, we recommend that parties considering undertaking works within the Whangaeahu catchment make contact with local iwi and/or hapū before lodgement of a consent application to confirm any requirements under Te Waiū-o-Te-Ika and obtain feedback on the proposed works.

## 7 RULE ASSESSMENT

To determine if your application will be assessed as a controlled activity for which consent must be granted (Rule LF-TUD-R43), or a discretionary activity (Rule LF-TUD-R45) or non-complying activity (Rule LF-TUD-R47) for which consent may or may not be granted, we need to understand if your proposed activity meets all of the conditions of Rule LF-TUD-R43.

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 <sup>^</sup> must only be taken when the river <sup>^</sup> is above its minimum flow, as assessed in accordance with RP-SCHED3.  | Yes<br>No<br>N/A |   |
| The amount of water <sup>^</sup> taken, when assessed in combination with all other water <sup>^</sup> takes must not exceed the relevant cumulative core allocation limits set out in RP-SCHED3. | Yes<br>No<br>N/A | <i>You will need to email the science team at <a href="mailto:surfacewater@horizons.govt.nz">surfacewater@horizons.govt.nz</a> 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 <sup>^</sup> must not lower the water <sup>^</sup> level in any wetland <sup>^</sup> that is a rare habitat* or threatened habitat*.                       | Yes<br>No<br>N/A |   |
| The take must not be from any rare habitat*, threatened habitat* or at-risk habitat*.   | Yes<br>No<br>N/A |   |

*\*Further information on rare, threatened or at-risk habitats can also be found in RP-SCHED6 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.

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

## 8

**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 RP-SCHED3?**

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 RP-SCHED3?**

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.

## 9

**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).*

**10 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)*.

**11 NATIONAL ENVIRONMENTAL STANDARDS**

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

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

An assessment under the NES-HDW 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.

## 12 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 the 'Resource Management Issues of Significance to Hapu and Iwi' (RPS-RMIA) chapter and the 'Land and Freshwater' (RPS-LF-FW) chapter 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 LF-TUD-O4 and Policies LF-TUD-P13, LF-TUD-P14, and LF-TUD-P20 of the 'Land and Freshwater' (RP-LF-TUD) 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.**

### 13 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.