

2. DETAILS OF THE ACTIVITY

2.1 Are you proposing to take: From groundwater (well/s) OR From a surface water body named: _____

2.2 Is your water take for Irrigation Frost Protection* Other (Specify)

**If your application is for multiple uses, i.e. for irrigation and frost, complete this form for the primary use only, the other component is dealt with in a later question*

2.3 Attach a Site Map - Details of your point of take

On a Map (Google or other is fine) mark the location of the well(s) or the point(s) of take from surface water, relating to this application. Shade the area where water will be used. For takes which are not for irrigation or frost mark your points of take and the operation using the waters location. Label your map and all the points on it and give it a north arrow.

3. FOR GROUNDWATER (WELL/S)

Details of where you are applying to take water from

| | Well # | Well Diameter | Rate of Taking proposed | | Area of Use | |
|---|--------|---------------|-------------------------|-----------------|-------------|-----------|
| | | | Litres/sec | Cubic meters/wk | ha | Crop Type |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |

3.1 What is the total amount of water to be taken?

Total maximum instantaneous rate _____ litres/sec

Total volume per (tick) Weekly 4 Weeks _____ m³

Total annual volume _____ m³

3.2 For Irrigation or Frost Applications

What is the total area to be irrigated/protected _____ hectares

What area of each crop will be watered?

How will you apply water? I.e. drip line

| | | |
|---------------|----------------|-------|
| Kiwifruit | _____ hectares | _____ |
| Market garden | _____ hectares | _____ |
| Nursery | _____ hectares | _____ |
| Olives | _____ hectares | _____ |
| Pasture | _____ hectares | _____ |
| Pip fruit | _____ hectares | _____ |
| Potatoes | _____ hectares | _____ |
| Process crops | _____ hectares | _____ |
| Stone fruit | _____ hectares | _____ |

| | | | |
|-----------------|-------|----------|-------|
| Vineyard | _____ | hectares | _____ |
| Other Cropping | _____ | hectares | _____ |
| Other (specify) | _____ | hectares | _____ |

3.3 **For Non Irrigation applications,** briefly explain what the water will be used for. i.e. factory or food processing

Attach additional information giving the detail of your operation.

3.4 **Explain how you have determined that the volume requested is reasonable for the needs of your crop/ operation** (i.e. comment on any calculations or experience).

For Irrigation Applications: Explain how you will determine when to apply water.

3.5 **What months do you expect to use water?**

| | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr |
|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| For Irrigation Takes | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| For Other Applications | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| For Frost Takes | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

3.6 **Do you propose to use water for multiple purposes?** i.e. frost protection and Irrigation?

Yes No

If yes please provide an attachment, appropriately headed i.e 'Frost Application Details', and describe the rate that you will pump for frost protection, the system you will use to frost protect, the area (hectares and legal description of the site) and detail the crop type.

3.7 Pump / Meter / Telemetry details

| Bore # OR Water body name | Pump | | | Meter/Telemetry | | |
|---------------------------------|--------------------------|--------------|----------------------------|-----------------------------------|-------------------------------|---------------------------|
| | Proposed or Existing? | Make & Model | Pumping Capacity L/S | Telemetry Installed? (Tick) | Meter Installed? (Tick) | Meter Serial Number |
| | | | | | | |
| | | | | | | |
| | | | | | | |

3.8 Describe how taking from multiple points will be managed (e.g. each well independent with own pumps, independent with a shared pump, coupled, etc). OR NA

3.9 Do you plan to add anything to your water? i.e. fertigation, agrichemicals, farm dairy effluent.

Yes No

If yes, please attach details of the additive and the a backflow prevention device..

3.10 Do you propose to take water from this point (or any other point on this property) for any other purpose? Yes No (Skip to next question)

If yes, what other purpose will it be taken for?

| | | | | |
|--------------------------|----------------------------|--|--|--|
| <input type="checkbox"/> | Spray Fill | Well # or water body name: _____ | Cubic metres needed per week _____ | No. of weeks per year spray fill needed _____ |
| <input type="checkbox"/> | Wash down | Well # or water body name: _____ | Cubic metres needed per week _____ | _____ |
| <input type="checkbox"/> | Building supply | Well # or water body name: _____ | Cubic metres needed per week _____ | Type and No. of building(s) _____ |
| <input type="checkbox"/> | Other: | Well # or water body name: _____ | Cubic metres needed per week _____ | Use description _____ |
| <input type="checkbox"/> | Domestic Supply | Well # or water body name: _____ | # Houses _____ | No of Bedrooms in each house _____ |

| | | | | |
|--------------------------|-----------------------------|-------------------------------------|------------|---------------------|
| <input type="checkbox"/> | Stock Drinking Water | Well # or water body name: | Stock Type | Max no. of stock |
|--------------------------|-----------------------------|-------------------------------------|------------|---------------------|

For domestic and/or stock water, will the pump headwork's be set up so this water comes off before any water meter Yes No

3.11 For wells: Does anybody else use any of the well(s) for any purpose?

If yes, please provide details below

NA Yes No

| Well No. | Other User | Purpose for which they use the well |
|----------|------------|-------------------------------------|
| | | |
| | | |
| | | |
| | | |

4. ASSESSMENT OF ENVIRONMENTAL EFFECTS (AEE)

Please try and add a sentence of two about each of the following points

Have a think about:

- The actual or potential effects of your proposed groundwater take on the environment? You can comment on positive effects, as well as possible adverse/negative effects. If you need to attach additional information, please feel free to do so.
- The groundwater resource in your area - What is the water level in your well? Does your well free flow, i.e. flow without pumping? Does the water level vary with pumping, and/or across the year? Have you ever had to lower your pump to get better access to water?
- People living near you - Do you know where the closest well is that is not located on your property? What is it used for? Are you aware of any problems in the area with people accessing water in their wells?
- Nearby surface water bodies –how far away are they? Is it permanent or does it only flow some of the time? If permanent, how does the water level vary across a year? If it only flows some of the time, when does it normally flow? What do you call it? Does your groundwater take seem to affect the amount of water/flow in nearby surface water bodies?
- Will your groundwater take impact amenity, social, recreational and cultural values in the surrounding area?
- Are there any waahi tapu or other significant cultural sites at or near your proposed take point? Will your proposed take impact the values associated with those sites?
- How have you calculated the amount of water you require?
- Where is the closest public water supply to your proposed point of take?

The Resource Management (National Environmental Standards for Freshwater) Regulations 2020 came into force on 2 September 2020. The Freshwater NES set requirements for carrying out certain activities that pose risks to freshwater and freshwater ecosystems. Anyone carrying out these activities will need to comply with the standards. The Regulations seek to protect natural wetlands and streams. Some activities within wetland are now prohibited.

Please ensure that you are familiar with the Regulations and have applied for all necessary consents.

4.1 Are there any natural wetlands¹ on the site or within 100 m of the water take?

Yes No

4.2 If yes, please consider and comment on the actual or potential effects of the water take on the wetland.

5. HAVE YOU REMEMBERED TO INCLUDE?

A design plan and site plan (Q's 2.12 & 2.13)

Administration Form A

¹ As defined by the NPS FM 2020