

Application For Resource Consent to Take, Use or Divert Groundwater

(Including Changes to Conditions of Current Resource Consents)

To: Co-ordinator Customer Services
Tasman District Council
Private Bag 4
Richmond
Nelson 7050

FOR OFFICE USE ONLY

Consent No: _____

Fee: _____

Customer No: _____

PART A: Contact Details

Pursuant to Section 88 of the Resource Management Act 1991, the undersigned hereby applies for a permit in accordance with the details below:

1.* Applicant(s) Details

Company Name: *(if applicable)* _____

Name(s):

First Name(s) _____ *Surname:* _____

First Name(s) _____ *Surname:* _____

First Name(s) _____ *Surname:* _____

First Name(s) _____ *Surname:* _____

Contact Person Details *(if applicable)*

Name of Contact Person: _____

Postal Address: _____

Street Address: *(if different from above)* _____

Phone Number:

Business: _____ Private: _____

Mobile: _____ Fax: _____

Email Address: _____

2. Consultant/Agent Details *(if applicable)*

Consultant/Agent Name: _____

Postal Address: _____

Phone Number:

Business: _____ Private: _____

Mobile: _____ Fax: _____

Name of Contact Person: _____

Email address: _____

3. All correspondence relating to this application should be sent to: *(tick one only)*

Applicant Consultant/Agent Other *(specify)*

4.* Application type: Indicate whether this application is for: *(tick one)*

a. A new water permit

b. A replacement for an expiring/expired water permit and for the same quantities or less

c. A change to the conditions of a current water permit

d. A replacement for an expiring/expired water permit and for increased quantities

If you have ticked b, c or d, give the reference number and description (purpose and quantities) of the expired or current permit

5. List any other consents required in relation to this proposal and indicate whether or not they have been applied for or granted. For example, new drilled bores will require a separate consent.

ASSESSMENT OF EFFECTS

PART B: Description of Proposal

Enclose with your application a Council (GIS) generated aerial photo showing the location of the bore (actual or proposed) sump or well, the location of nearby bores (including those on neighbouring properties), rivers or streams, the area in which the water is to be used, local named roads, names of neighbouring property owners, property boundaries and other relevant features e.g. buildings, fences. Council's Customer Services Officers will provide this aerial photo on request.

Note: Unless specified, all references to a 'bore' also refers to a well, hole, sump etc that penetrates into groundwater.

1. Site where water is to be USED (or DIVERTED to/from).

a. Nature of Tenure of Applicant(s): *(Tick as appropriate)*

Owner Lessee Prospective purchaser

Other *(specify)*

b. Legal Description *(as shown on Rate Demand)*

Lot

DP

CT

Other *(specify)*

c. Property valuation number

d. Total Property area (ha)

e. Address/Location

2.* If the site from which the water is to be TAKEN is not on the above property, please indicate

a. Name of owner

Address/Location

b. Legal Description of land where take point is situated

Lot

DP

CT

c. Property valuation number

3.* Map reference of Take Point

[Use NZMS 260 (1:50,000)] If unknown, this can be left blank for Council staff to complete provided the bore is accurately located on the aerial photo.

4.* **Source of Water**

Existing Bore Proposed Bore Other (e.g. well, sump)

Date constructed (if existing) _____ Diameter (mm) _____

Bore number (WWD) (if known) _____ Bore permit number (if known) _____

Note: GL refers to 'ground level'

Depth (metres) from GL to bottom of bore/well _____

Depth (metres) from GL to top of screen _____

Available drawdown (metres) in a typical summer is _____

Which water management zone water is taken from _____

5. **Purpose for which water is to be taken and/or used:** (Tick as appropriate)

Irrigation Industry Municipal supply Stock Household Storage

Other (specify) _____

6.* **If use is for IRRIGATION state the area irrigated of the following:**

Pasture ha Horticulture ha Sportsfield/Golf course ha

Glass/Plastic house/nursery ha Other ha

For crop and horticultural irrigation, state principal crops and area of each irrigated and typical (summer) irrigation period

	ha	Start date	Finish date
	ha	Start date	Finish date
	ha	Start date	Finish date

Indicate whether the area irrigated is:

Existing Partly Developed Proposed

If the total irrigated area is partly developed or proposed, state when full development will occur

date: _____

Type(s) of irrigation: Sprinkler Trickle Travelling irrigator KLine

Please state any other irrigation type _____

Maximum rate that system can deliver cubic metres per hour

Total area irrigated per week ha

Maximum weekly application rate mm/ha/week

Maximum period of irrigation hours per day

Please state your irrigated soil type(s), their areas and their individual water holding capacities if known.

Soil type name	Area (ha)	Water holding capacity (mm) <i>(for the depth of soil utilised by the crop)</i>

If you irrigate on a rotational basis, how many days in your rotation? days/rotation

How much water (mm) do you aim to apply each rotation? mm/rotation

Area irrigated per rotation: ha

For existing irrigators – do you experience either:

(i) Surface ponding after irrigation is applied? Yes No

(ii) Surface runoff after irrigation of hill blocks? Yes No

How do you know when to begin irrigation or to cease?

Do you refer to any of the following:

- Neutron probe Weekly data from the TDC Updates Tensiometers or similar
 Water budget Nothing Other (*specify*)
-

Have you applied to irrigate your full irrigable area? Yes No

If no, what additional area is irrigable _____ ha

Do you intend to apply to irrigate this land in future? Yes No Uncertain

7. Pump details:

Indicate whether the pump is: Existing Proposed

Pump Brand and Model _____

Maximum Pumping Capacity _____ cubic metres per hour

Operating head (pressure) _____ Motor size _____ kW or hp Motor speed _____ rpm

8. Quantities of water applied for:

a. Maximum hourly rate _____ cubic metres per hour

b. Maximum daily quantity _____ cubic metres per day

c. Maximum weekly quantity _____ cubic metres per week

Can your bore sustain the full pumping rates you are applying for, including during a drought?

Yes No

Please comment or provide evidence or reasons for your above answer, copy of any pump test etc.

9. If water is to fill a dam or reservoir, state the maximum annual quantity and what months water will be taken

10. Water Meter Details

Has a water flow meter been fitted? Yes No

If YES, current meter reading _____ m³ _____ on (date)

Meter make _____ Model _____

Date meter was last recalibrated _____

11.* If water is to be used for INDUSTRY, state the type of industry, and the process in which water is used.

12. If water is to be used for MUNICIPAL SUPPLY, state population supplied:

13. If water is to be used for STOCK drinking water, state number and type of animals:

14. If water is to be used for HOUSEHOLD use, state number of houses and average number of people within each household:

15. If applying for a permit to DIVERT groundwater, describe purpose (e.g. quarry operations, wetland drainage)

Will the diversion be Permanent Temporary for how long _____ months/years

16.* Bore Head – existing bores (where all references to 'bore' applies equally to wells etc)

Is there a concrete pad in place around the bore head? Yes No

Does the top of the casing rise at least 0.3 metres above the ground level? Yes No

Is there access for water level monitoring (e.g. a plugged hole in the top of the casing)? Yes No

Is there access for taking a water sample (e.g. a tap close to the bore head)? Yes No

Is the bore head above any flooding level Yes No

If 'no', is the bore sealed to prevent ingress of surface water? Yes No

PART C: Alternative Sources, Methods and Water Conservation

1. State any alternative water sources available (tick as appropriate)

Water impounded by dam Potential dam site

Other (specify) _____

Describe why you have not chosen to take water from any of these other water sources:

2. If water used is for industrial purposes, has a water audit been completed on your activity?

Yes No

Are there any water conservation or leak detection programmes practised? Yes No

If the answer to either question is **YES**, provide details:

PART D: Assessment of Effects of the Proposed Activity on the Environment

1.* Effects on Water Sources and Other Water Users

Use the table on the next page to provide information relating to all adjacent properties. The names of property owners and locations of their water sources can also be shown on your location map. Attach details on a separate sheet if necessary.

(a) Name of owner	(b) Water Source(s)	(c) Permit number if held	(d) Distance to their Water Source (metres)	(e) Their use(s) of Water
Identify any other person(s) who take water from this bore				
	-		-	

2. Do you anticipate that your proposal to take, use or divert groundwater may affect any other user (eg, reduced spring flow, lower water levels in neighbouring bores, reduced water availability for any other water user, reduced waterflow in any nearby stream)?

Yes No

Please explain

Have you ever received complaints about the effects of your use of water? Please explain.

3.* Effects on Water Quality

Has a water quality analysis been undertaken on groundwater taken from your bore or have you access to the results of an analysis on any nearby bores?

Yes No If **YES**, attach a copy of the results.

Within 150 metres of the take point are there any septic tanks, waste disposal areas such as a farm dump, ofal pit and any sheep dip site? If so, indicate the distance between these and your take point and show the location on the aerial photo.

Nature of waste disposal	Distance from take point (metres)

4.* From the Tasman Resource Management Plan (TRMP):

(i) What is the relevant bore spacing requirement in this zone? metres

(ii) Does the location of your bore relevant to any neighbouring bore comply with the above spacing requirement? Yes No

(iii) Does Council propose or require water rationing in this zone? Yes No

(iv) Are water meters required in this zone? Yes No

(v) Please confirm that you are applying for the common expiry date specified for this zone in the TRMP Yes No

If **No** what expiry date are you applying for?

5. Groundwater Availability

Do you consider Council has a good understanding of groundwater availability in this zone? Yes No

Comment on any additional investigations you consider is required.

PART E: Mitigation of Adverse Effects

Describe steps you will be taking to mitigate any adverse effects of your pumping on the groundwater resource. This could include the sealing of bores where surface water ingress is a problem, installing water meters or backflow prevention devices.

PART F: Consultation

List below those parties consulted, their address and/or phone number, any concerns they have expressed and your response to this (attach additional list and/or supporting information where appropriate).

1.* Name: _____ Address: _____

Position: _____
Their concerns: _____

Your response: _____

2. Name: _____ Address: _____

Position: _____
Their concerns: _____

Your response: _____

3. Name: _____ Address: _____

Position: _____
Their concerns: _____

Your response: _____

PART F: Declaration

I hereby certify that, to the best of my knowledge and belief, the information given in this application is true and correct. I undertake to attach the required aerial photo of the property. **I also undertake to pay all actual and reasonable application processing costs incurred by the Tasman District Council.**

Signature of Applicant or Agent: _____ Date: _____

Name (*block capitals*) _____

Designation: (*eg. owner, manager, consultant*) _____

Please attach your Deposit Fee payment for this application. Make cheques payable to the Tasman District Council. Refer to the fee schedule for details.

Background: Tasman Resource Management Plan (TRMP)

Applicants for groundwater permits in Tasman District need to be familiar with Variations 15 and 16 of the Tasman Resource Management Plan (TRMP) that were publicly notified on 3 November 2001. Submissions have now closed and hearings are being held to these plan changes, which cover all Tasman District.

Some of the proposed policies and rules in the TRMP may change as a result of submissions. However, in most water management zones the proposed rules need to be referred to by applicants. Reference copies of the TRMP are available at Council's offices and libraries and copies of the relevant policies and rules in your zone can be obtained from Council's offices.

Under the Resource Management Act (RMA) 1991, firefighting use is exempt from requiring a resource consent. In addition, the TRMP provides for stock water use to be unlimited and household and other uses are permitted (ie no consent is required) if daily use is less than five cubic metres per property per day although exceptions and conditions do apply.

Council's application forms are designed to address the information and assessment of effects required under both the TRMP and the Resource Management Act. For many applications, this will be sufficient information but Council may request additional information particularly where an application is complex or the effects significant.

For groundwater applications, in some locations Council has drilled test bores and collected pumping drawdown data, estimated river depletion effects etc. Applicant's are referred to Council's Resource Scientist (phone (03) 543 8494) to obtain or discuss this information where it is necessary to answer various questions. You will need to provide your bore's location, bore depth and the pumping rate. In some areas, Council will have inadequate information and Council reserves the right to require applicants to undertake investigations, including bore testing.

Applications to renew expiring consents should generally fall to be considered as controlled activities, which must be granted by Council. An exception would be if an applicant had not exercised their permit and they failed the bona fide user test (as defined in the TRMP). Renewal applications need to address this issue.

Part A: Contact Details

1. Applicant(s) Details

A Resource Consent can only be held by a legal organisation or fully named individual(s). A legal organisation includes a limited company, incorporated group or registered trust. If the application is not for one of the above, then you may use fully named individual(s) and the organisation name.

4. Application Type

Under the Resource Management Act (RM Act), the procedure for assessing applications for water permits is the same whether they are new, replacements or changes to conditions. This form should therefore be completed in full for each case. The only exemption is where the change to the conditions of a permit is minor, such as a change in the property description as a result of a subdivision. A separate form is available for minor changes. If you are in doubt as to which form is appropriate please contact Council staff.

Permits to take/use groundwater are required for activities such as pumping water from a bore or well for irrigation uses, industrial uses and for water supply. Permits to divert groundwater are required where groundwater is intercepted, for instance by excavations or quarry pits or wetland drainage.

5. Other consents required from the TDC

Additional consents can be required from Council in relation to the taking, use or diversion of groundwater depending on the nature of the proposal. These include permits for drilling a bore and for the discharge of contaminants. Council staff will be able to advise you whether or not any additional consents are required.

Part B: Description of Proposal

1(b) Legal Description

Please attach a copy of the current Certificate of Title.

2. Water Source not on your property

You can apply for a permit to take water from a source which is not on your property. However you may wish to obtain an easement on both property titles giving you and subsequent owners legal access to the source of the water. A water permit does not do that.

3. Map Reference

If you do not have a map reference, ensure that your location plan is accurate.

4. Source of Water

Note that drilling or alteration of a bore requires a separate Resource Consent, which is additional to a permit for the taking of water. Contact the Tasman District Council for details and/or an application form. If you have an existing drilled bore then Council should hold a copy of the bore log with the details of the bore construction. Please indicate your well number so that we can retrieve the correct information. If you have had a separate pumping test (or aquifer test) undertaken please attach a copy of the report. Council may require you to undertake a pumping test to demonstrate that the bore can yield the quantities applied for as part of your assessment of effects.

6. Irrigation

If water is to be taken for irrigation, provide details of the calculation of your water requirements, including any information supplied to you by consultants and any meteorological data or scientific information on crop water use that you have used. Include any water meter readings and actual data if available. The level of detail required may depend on the scale of activity; If in doubt you should contact the TDC for advice on what sort of information you should provide. If describing irrigation requirements in a separate letter or report, you should consider:

- What is your planned method of irrigation (sprinkler, trickle etc) and what is the efficiency of delivery to the crop, if known?
- What is the maximum irrigation rate that this system can deliver? (You can determine this from the technical specifications or, if you already have a water meter, by taking two readings an hour apart).
- Irrigated soil type is now required under the TRMP in order to implement soil type based application rates and to promote efficient irrigation. It is likely that applicants will have varying information on their property's soil type and WHC. Applicants who require information are referred to Council's Resource Scientist, phone (03) 543 8446.
- State if any water conservation or leak detection programmes are practised at the site.
- Give details of any proposed future expansion or changes to crop types and approximate timetable.

11. Industry

If water is to be taken for industrial purposes, you may be required to undertake a water audit of the site water use. The TDC can advise you on this requirement and has water audit guidelines for those required to undertake an auditing process.

Even where an audit is not required, a justification of the quantities applied for should be attached in a separate letter or report. This should include details of any water conservation or leak detection programmes practised at the site.

16. Bore Head

It is important that the bore head is protected to prevent possible contamination of the groundwater resource. Provision for water quality sampling and water level monitoring are also important. Bores drilled since the 1980s are subject to certain conditions covering those aspects of bore construction and maintenance (check your bore permit). Older bores may require upgrading to meet these requirements as a condition of consent.

Part D: Assessment of Effects of the Proposed Activity on the Environment

1. Effects on Water Sources and Other Water Users

The taking of groundwater leads to a fall in water levels surrounding the point of abstraction. The extent of the area affected and length of time that the levels remain drawn down depends on the quantity and timing of the abstraction. Where significant drawdown occurs, this can result in interference with water levels in the surrounding bores. This can affect the ability of neighbours to draw water (eg. water levels falling below the pump in their bore) and reduced flow at springs or adjacent rivers. It is important that you provide as much detail as possible on nearby water sources and neighbouring users and consider whether or not any of these will be affected. Neighbours' written consent in support of your application is often useful when processing applications, determining if notification is required etc. Council has standard approval forms for this.

3. Effects on Water Quality

The pumping of groundwater can lead to the movement of materials disposed of nearby, such as septic tank effluent, if these become dissolved or mixed into the groundwater flow. This can lead to a deterioration in the quality of water supplies and the groundwater resource as a whole. Over-abstraction close to the coastline can lead to the contamination of the groundwater resource by the landwards movement of seawater. A detailed assessment may be necessary depending on the quantity which you wish to take and the proximity to potential sources of contamination and the coastline. The Council will be able to advise you on this.

4. Questions

Applicants will need to refer to policies and rules in the Tasman Resource Management Plan (TRMP) to answer various questions. If in doubt, please ask Council staff at any Council office. We are here to assist.

The following are the minimum bore spacings from Fig.16.12A TRMP.

Bore Spacings		
Water Management Zones	Depth of existing bore (metres)	Minimum Bore Spacing (metres)
Moutere Zones Eastern and Western Groundwater zones	<120	300 between bores regardless of the depth of the proposed bore 600 between bores if the proposed bore is more than 120 metres deep 200 between bores where rates of take are no more than up to 5 cubic metres per day
	>120	
	Any	
Motueka Riwaka Plains Zones Central Plains Zone King Edward Zone Riwaka Zone	Any	75 between bores
Hau Plains Zone Umukuri Zone Swamp Zone	Any	150 between bores
Waimea Zones LCA Zone UCA Zone Hope and Eastern Hills Zone	Any	100 between bores and at least 100 from the Waimea River
Reservoir Zone Waimea West Zone	Any	50 between bores and at least 100 from the Waimea or Wairoa Rivers
Delta Zone	Any	50 between bores and at least 100 from the Waimea River
Wai-iti Zone	Any	50 between bores and at least 100 from the Wai-iti River

Part F: Consultation

You should identify any persons interested in or affected by the proposal, listing their name, address, phone numbers and in what way they may be affected. Interested parties may include:

- neighbours
- nearby water users
- Tangata Whenua
- Department of Conservation
- NZ Historic Places Trust
- Fish and Game Council
- Royal Forest and Bird Protection Society

Council can assist you with details of Tangata Whenua representatives with whom you may be required to consult.

Where consultation has taken place with Tangata Whenua and any other interested parties, provide details of the consultation undertaken, including the views of those consulted and your response to this. Attach copies of any correspondence confirming this consultation.

It may be necessary to seek written approval for your application from some persons. Council staff may be able to advise you from whom you should seek written approval before you lodge your application. However, this can only be clarified once the application has been received and an initial assessment made. Note that the TDC has standard approval forms which assist in this regard.

PLEASE READ THIS PAGE BEFORE COMPLETING THIS APPLICATION FORM ADDITIONAL INFORMATION MAY BE REQUIRED

The Resource Management Act (1991)

This application is made pursuant to Section 88 of the Resource Management Act (RM Act) 1991. For applications to take groundwater the RM Act is concerned about safeguarding the life-supporting capacity of water and ecosystems, and avoiding, remedying or mitigating any adverse effects of activities on the environment.

Section 88 of the RM Act requires that an applicant provide an Assessment of Effects to support their application. The Fourth Schedule of the RM Act identifies the components that an Assessment must include.

These are:

- a description of the proposal;
- where it is likely that an activity will result in any significant adverse effects on the environment, a description of possible alternative locations or methods for undertaking the activity;
- an assessment of the actual or potential effects of the activity on the environment;
- a description of mitigation measures to be undertaken to help prevent or reduce the actual or potential effects;
- an identification of those persons interested in or affected by the proposal, the consultation undertaken, and any response to the views of those consulted;
- where the scale or significance of the activity's effect are such that monitoring is required, a description of how the effects will be monitored and by whom.

Additional Information

This application form, when properly completed, may provide an adequate "Assessment of Effects" where the adverse effects of a proposal are not significant. Where effects are greater, due to factors such as large volumes pumped, or close proximity to other bores or the coastline, then more detail may be required. This additional detail should be provided in a supporting letter or report prepared by an appropriate specialist or consultant. Tasman District Council staff will be able to advise you on the nature of information required with respect to the scale of your proposed activity.

Completing This Form

To ensure that you complete this application in full, please read the accompanying notes marked with * at the end of this document. These provide guidance on answering certain questions and indicate where additional information may be required. In providing as much information as possible at this stage you will reduce the likelihood of any delay in the processing of your application. However, once an initial assessment of your application has been made, we may request further information.

Send the completed form, together with any additional information required and the correct deposit fee, to the address shown at the end of this form. Your application will not be accepted for processing until the correct information and deposit fee has been received.

If you have further queries, please phone 03 543 8400.

Feel free to contact us:



Tasman District Council
Email info@tasman.govt.nz
Website www.tasman.govt.nz
24 hour assistance

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