

Application For Resource Consent to Take, Use or Divert Surface Water

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

(Including Changes to Conditions of Current Resource Consents)

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:

FOR OFFICE USE ONLY

Consent No: _____

Fee: _____

Customer No: _____

1.* Applicant(s) Details

Company Name: *(if applicable)* _____

Name(s):

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:

ASSESSMENT OF EFFECTS

PART B: Description of Proposal

Enclose with your application a Council (GIS) generated aerial photo showing the location of any neighbouring bores, the river/stream/lake/dam from which you propose to take water, the position of the take point, the area in which the water is to be used, local named roads, names of neighbouring property owners, property boundaries, any upstream or downstream water users, any waterfalls, dams, wetlands or wildlife habitats and other relevant features eg. buildings, fences. Council's Customer Services Officers will provide this aerial photo on request.

1. Site where water is to be USED.

- 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

- River/Stream Existing dam Proposed dam Spring Lake

Give the name of the stream, river or lake (or if the stream is unnamed, state what water body it is a tributary of)

Name _____ or Tributary of _____

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

- Irrigation
 Industry
 Municipal supply
 Stock
 Household
 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

9.* 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

10.* Screen intake details

Will the intake be screened? Yes No

If YES, will the screen hole/slot size used be less than 5mm? Yes No

And velocity less than 0.3m/sec at the screen surface? Yes No

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:

PART C: Alternative Locations and Methods

1. Are there any alternative water sources available to you where any adverse effects of your taking may be less significant? (eg. groundwater, dam)

Yes No

If **YES**, how are the effects less significant and why have you not chosen any of these 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

You may wish to discuss this part of the form with the appropriate staff of the Tasman District Council. An assessment of the stream catchment may already have been completed. Regarding renewal applications, some of the following questions may not be relevant particularly for the larger rivers.

1. List the names of all the property owners/occupiers adjacent to and/or immediately downstream of your take point and distances to their boundaries.

Indicate if they draw water from the same watercourse (attach details on a separate sheet if necessary) and mark on your aerial photo.

(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. Describe the watercourse downstream of your stream pump or dam site during the typical low flow period December to April

a. Width of watercourse _____ m

b. Average depth of Water _____ m

c. Mean annual low flow (if known) _____ l/sec

d. Proportion of flow you intend to take at the low flow times _____ %

Attach any stream flow data or observations which show there is sufficient water available in the watercourse for your activity, while sustaining the existing biota, and any other users etc.

3. Describe the bed of the stream (e.g. Is it gravelly, muddy or sandy? Are there any large pools?)

4. Give details (type and extent) of any vegetation bordering the stream (eg. pasture, bush, scrub).

Photos will be particularly useful.

5. Below your take point or dam site (where the take is from a dam) are there any:

a. obvious signs of biota? (eg. fish, shellfish, insect life, aquatic plants) Yes No

b. areas where food is gathered from the water? (eg. watercress, eels, kaimoana) Yes No

c. significant wetlands? (eg. large swamp area) Yes No

d. waste discharges? (eg. from rural sources, industries, sewage plants) Yes No

- e. recreational activities carried out? (eg. swimming, fishing, canoeing) Yes No
- f. areas of particular aesthetic value? (eg. scenic waterfall, rapids) Yes No
- g. areas or aspects of significance to Iwi Yes No

If you have answered yes to any of the previous seven features, then describe what is present and identify what adverse effects your taking may have. *(Attach details on a separate sheet if necessary).*

6. From the Tasman Resource Management Plan (TRMP)

(i) List any water body values and uses from Schedule 30.1

(ii) State any allocation limit specified for this zone in either Fig 31.1E or Fig 31.1F TRMP

(iii) Does the amount of water you propose to take on its own or in combination with other users exceed any allocation limit specified in the TRMP or any water conservation order? Yes No

(iv) From Schedule 31.1C does Council propose or require water rationing in your zone? Yes No

(v) If **Yes**, what is the proposed minimum flow and trigger for rationing in your zone?

(vi) Are water meters required or proposed in your zone? Yes No

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

If **No** what shorter or longer period are you applying for?

7. Are there any culverts on streams on your property with a drop on the downstream likely to obstruct the passage of fish? Yes No

8. Is your pump intake structure likely to cause erosion of the streambanks? Yes No

If **Yes**, describe

9. Describe the extent to which rivers and streams on your property are fenced to exclude stock

10. Have you undertaken any water quality analyses or instream assessment on the stream? Yes No

If **Yes**, please attach a copy

PART E: Mitigation of Adverse Effects

1. Describe steps you will take to mitigate any adverse effects identified above.

(Attach details on a separate sheet if necessary)

2. Can the combined (cumulative) abstraction by you and other users be reduced by increasing the length of time over which water is taken or by rostering use with other users?

Yes No

If so, how and to what rate?

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 G: 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 surface take water 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 (RM Act) 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 some 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 many rivers Council will have flow data and may have data on the instream flow needs of fish known or likely to be present. Applicants 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 location and pumping rate. In some areas, Council will have inadequate information and Council reserves the right to require applicants to undertake investigations, including flow measurements.

The TRMP proposes that 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 a property description. If you are in doubt as to which form is appropriate please contact staff at Tasman District Council.

Permits to take/use water are required for activities such as pumping water for irrigation uses, industrial uses and for water supply.

5. Other consents required

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 a structure in a watercourse and for damming a stream. 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 damming of water is likely to require a separate Resource Consent (whether the dam is existing or proposed), which is additional to a permit for the taking of water, or may be authorised as a Permitted Activity. You should contact Council to discuss whether or not you are required to apply for an additional consent.

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 Council 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.

9. Water Meter Details

For the meter reading include just the cubic metre digits.

10. Screen Intake Details

A description of the intake structure and or a drawing should be attached (including stream shape, distance of intake from stream bank, depth of intake, location of pump and any areas of scouring or stream erosion). To comply with the TRMP, river intake screens shall have a mesh size not greater than 5mm and constructed so that the intake velocity at the screen's outer surface is less than 0.3m/sec and maintained in good order.

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 requirements 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.

Part C: Alternative Locations and Methods

As part of your assessment of effects, it is important to consider if there are alternative sources of water or alternative methods of undertaking your activity which may have lesser adverse effects, for instance, storage in an off-stream dam rather than pumping from a small stream. If your proposed pumping rate is a significant proportion of summer low flow, you should consider pumping water from the stream at a low rate into temporary storage (eg. pond) and then pumping to the areas to be irrigated at a high rate. Alternatively you could alternate your pumping with neighbouring users.

The level of detail required may depend on the scale of activity.

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

Sufficient minimum flow should be retained in streams to maintain instream values. These instream values include cultural and Tangata Whenua concerns, fisheries, recreation, the stream's natural character, indigenous vegetation and fauna, habitat, scenic, amenity and intrinsic values. Natural flow variability is important for stimulating migration of fish and maintaining acceptable ecological conditions in streams. These values can have different requirements on stream flow.

Streams in an area can be quite variable in their flows, even from similar sized catchments. This is due to differences in rainfall, topography, geology, vegetation and physical characteristics.

Pumping water from rivers, streams, dams or lakes can cause changes in water levels or flows which can lead to reduced water depth, velocity, wetted area and waste assimilation capacity. These can in turn encourage the growth of algae, increased temperatures, oxygen depletion, changes in composition of ecosystems, loss of habitat, degradation to fisheries and loss of recreation opportunities.

You need to adequately describe the present characteristics (width, flow, bed, riparian vegetation and stock fencing) and values (stream life, wetland habitats, recreation, significance to Iwi) of the lake or reach of stream which you propose to take water from. This is so that potential effects on the water body can be determined. You may be able to obtain information from Council on stream flow during typical low flow periods.

For large takes it may be necessary to undertake a more detailed assessment which describes the direct, indirect, cumulative, short term or long term actual or potential effects on taking water on the water resource and other users. Such an assessment should consider the effects of the take on:

- Stream flows
- Water quality
- Habitat/ecology; and
- Amenity values of the stream environment

Part E: Mitigation of Adverse Effects

You should explain how you propose to mitigate, remedy or avoid any adverse effects. Adverse effects such as reduced stream width and depth, increased temperature or changed habitat can often be mitigated by:

- taking the same daily quantity of water but at lower pumping rate
- planting suitable species along the stream riparian margin
- fencing the stream to exclude stock
- ensuring fish are not entrained in the pump intake
- improving farm culverts
- if taking from a proposed or existing dam, installing a low flow bypass or fish pass or retaining some permanent water in the dam for resident eels.

Council can provide stream intake structure, fish pass and riparian planting guidelines.

For larger takes, details of proposed mitigation measures should be provided as a part of a more detailed assessment of effects. This should describe which adverse effects the measures are designed to mitigate and provide details of the ways in which this mitigation is achieved.

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

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 Council 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 at the end of this document. These provide guidance on answering certain questions marked with * 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 the 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

Richmond
189 Queen Street
Private Bag 4
Richmond, Nelson
7050, New Zealand
Phone 03 543 8400
Fax 03 543 9524

Murchison
92 Fairfax Street
Murchison 7007
New Zealand
Phone 03 523 1013
Fax 03 523 1012

Motueka
7 Hickmott Place
PO Box 123
Motueka 7143
New Zealand
Phone 03 528 2022
Fax 03 528 9751

Takaka
78 Commercial Street
PO Box 74
Takaka 7142
New Zealand
Phone 03 525 0020
Fax 03 525 9972