




# Water Dating Laboratory

## Sample Submission Form – New Zealand

**PLEASE CONTACT US TO DISCUSS YOUR NEEDS BEFORE SHIPPING SAMPLES SO THAT THEIR ARRIVAL CAN BE EXPECTED.**

By submitting the sample, the client agrees that the required services shall be carried out subject to the GNS Science Water Dating Laboratory Terms and Conditions, and that the Client will pay GNS Science the price for the services either calculated in accordance with the current Water Dating Laboratory Price Schedule (see website for current price schedule; [www.gns.cri.nz/waterdating/](http://www.gns.cri.nz/waterdating/)) or has otherwise been notified to and agreed with the Client by GNS Science. The Client acknowledges having been supplied with a copy of the Terms and Conditions (also available on our website).

### Contact Information

Client Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone/Email: \_\_\_\_\_

Report Results to: \_\_\_\_\_

### Invoicing Information

Invoice to: \_\_\_\_\_

Invoicing address: \_\_\_\_\_

Client order No.: \_\_\_\_\_

Signed :

Analyses required:	Tritium	CFC	SF <sub>6</sub>	<sup>18</sup> O	D/H	<sup>14</sup> C
(Tick tests required)						

**NB: Drinking water security requires Tritium, CFC and SF6.**

Origin of samples: \_\_\_\_\_

Sampling Date: \_\_\_\_\_

Site name: \_\_\_\_\_ Site reference number: \_\_\_\_\_

Site location: Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Altitude: \_\_\_\_\_

Bore depth: \_\_\_\_\_ (m below ground surface)

Screened interval: \_\_\_\_\_ (m below ground surface)

Aquifer name: \_\_\_\_\_

Aquifer lithology: \_\_\_\_\_

Aquifer confinement: \_\_\_\_\_

(confined, semi-confined or unconfined)



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Surrounding land use: \_\_\_\_\_

(descriptive term(s) that the sampler can come up with to describe land use in 200 m and 1000 m radius around site)

### Groundwater Chemistry:

If chemical measurements have been made, please append a summary. Dissolved oxygen and the listed chemical parameters are required for interpretation of CFC results.

Temperature:		NO <sub>3</sub> -N (mgL <sup>-1</sup> ):	
Conductivity:		NH <sub>4</sub> -N (mgL <sup>-1</sup> ):	
pH:		Fe (mgL <sup>-1</sup> ):	
Dissolved oxygen:		Mn (mgL <sup>-1</sup> ):	

### Other relevant information:

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#### **Notes** (for client information only, please refer to Terms and Conditions)

- GNS Science require to be notified where the measurements or other results of the required services are intended for use in or form part of any legal dispute and where they are GNS Science reserve the right to decline to undertake the services.
- The tritium dating service applies only to low level (<0.1TU) water samples. Uncontaminated rainwater, sediments and groundwaters should be well below 30 TU and are acceptable. The GNS Science Terms and Conditions contain a clause regarding recovery from the client of any loss or damage resulting from submission of "hot" samples, i.e. high tritium samples with expected activity above 1000 TU; 3 pCi mL<sup>-1</sup>.
- The Client may email for a further copy of the Terms and Conditions, for information regarding the current pricing Schedule and for sampling procedures: [waterdating@gns.cri.nz](mailto:waterdating@gns.cri.nz).