

Radon

BORE SAMPLING INSTRUCTIONS



EQUIPMENT NEEDED:



- 2 x 20ml glass sample bottles with foil lined cap per site.
- 1 x Tube with brass fittings (GNS Science can supply this).
- 1 x 1 litre Beaker or bucket.

REMEMBER:

- Flush bore adequately
- Avoid pressure tanks
- Avoid using oils or grease on sampling equipment
- Make sure there are NO air bubbles
- Ensure that bottles are closed tightly
- Send samples to us immediately on the day of or day after sampling.

INSTRUCTIONS:

- The water sample must not have any contact with air.
- Sample points should be located before pressure tanks, filtration units or other treatment systems
- Label bottles using blue or black permanent marker. Record the site ID and sampling date as a minimum.

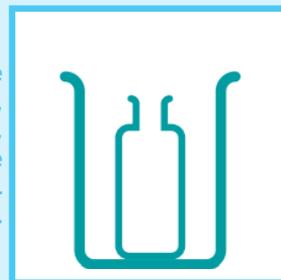
GNS Water Dating Lab.	
ID:	_____
Date:	____/____/____
Client	_____
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- Purge bore until pH, conductivity and temperature remain the same. Usually water equivalent to three times the bore volume is pumped away prior to sampling to remove stagnant water from the bore.
- Please follow the directions to the right.
- Return tubing and brass fittings to GNS Science.

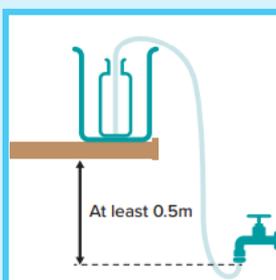
1. Attach tube to tap/water source and purge bore.



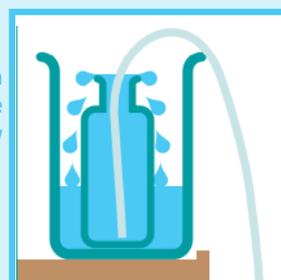
2. Label sample bottle with ID, date and time. Then place bottle and cap in the 1L beaker.



3. Elevate bottle above tap/water source to avoid sucking in air into the tube and pushing tubing to the bottom of the sample bottle.



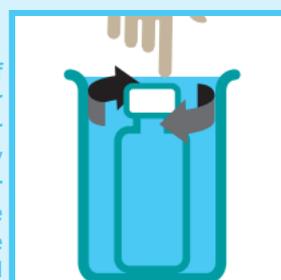
4. Fill bottle with water and let the water overflow.



5. Remove tubing slowly at low flow, ensuring bottle is overflowing at all times. Protect bottle from wind while sampling to maintain meniscus.



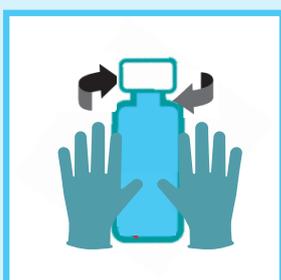
6. Strike the inside of the cap with your finger under water to remove any trapped air bubbles. Screw the cap on tightly while the bottle is still submerged.



7. Turn bottle upside down. If bubbles are present, empty bottle and start again from step 1.



8. If no bubbles are present put on gloves and tighten cap, as bottles are prone to breaking when tightening.



PLEASE CHECK THAT THE CAPS ARE TIGHT BEFORE SHIPPING

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RIVER SAMPLING INSTRUCTIONS



EQUIPMENT NEEDED:



- 2 x 20ml glass sample bottles with foil lined caps per site.

REMEMBER:

- Make sure there are NO air bubbles
- Ensure that bottles are closed tightly
- Send samples to us immediately on the day of or day after sampling.

INSTRUCTIONS:

- The water sample must not have any contact with air.
- Label bottles using blue or black permanent marker. Record the site ID and sampling date as a minimum.

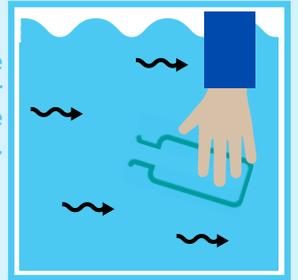
GNS Water Dating Lab.	
ID:	_____
Date:	____/____/____
Client	_____
	Radon

- Please follow the directions to the right.

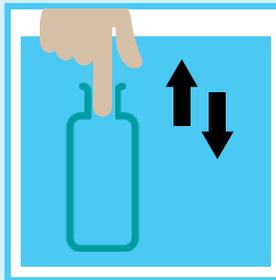
1. Fill and then empty sample bottle several times in sample water to flush bottle.



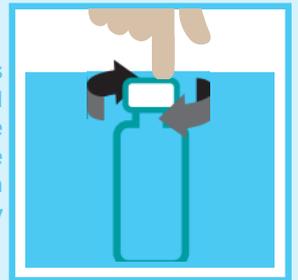
2. Submerge the bottle in the river upstream of where you are standing.



3. While the bottle is submerged quickly place your finger in & out of the bottle several times. This displaces any water that may have been in contact with the air.



4. Once the bottle is full and still submerged place the cap on the bottle and tighten lightly



5. Take the capped bottle out of the water and turn upside down. If bubbles are present, empty bottle and start again from step.1.



6. If no bubbles are present put on gloves and tighten cap, as bottles are prone to breaking when tightening.



PLEASE CHECK THAT THE CAPS ARE TIGHT BEFORE SHIPPING