



Transform
Water

Water Analysis

WHAT YOU NEED TO KNOW
ABOUT WATER TESTING



Do I need a water analysis?

The answer depends on known issues and the source of your water. The four main water sources are:



Mains or Towns Water

An analysis will have already been done by your water provider. Contact your water provider for a typical analysis.



Rainwater

Usually not required. Low pH may be an issue, especially with blue staining. Most rainwater issues can be identified with a basic pool test. Expect and treat bacteria accordingly.



Ground Water (bore/well)

Highly variable and independent laboratory testing is required to ensure you get the correct treatment system.



Surface Water (river/stream/dam)

Highly variable and independent laboratory testing is required to ensure you get the correct treatment system.

What should I test for?

The following are typical water analysis parameters categorised by water source. Many more tests are available for an additional cost. This list will identify the most common issues and provide the data needed for selecting a suitable treatment system.

Basic Tests				
	Mains	Ground Water (bore/well)	Surface (river/dam)	Rain
pH	✓	✓	✓	✓
Conductivity	✓	✓	✓	
TDS	✓	✓	✓	✓
Total Hardness	✓	✓	✓	
Total Iron		✓	✓	
Turbidity		✓	✓	
UVT		✓	✓	✓
Silica		✓		
Nitrate		✓	✓	
Manganese		✓	✓	
Copper				✓
Chloride	✓	✓	✓	
Potassium		✓	✓	
Sodium		✓	✓	
Total Alkalinity	✓	✓	✓	
Fluoride		✓	✓	
Total Suspended Solids			✓	
Particle Size Distribution			✓	
Sulphates		✓	✓	
Extended Tests				
Metals Extended Test (incl. lead, arsenic, cadmium, mercury, etc.)		✓	✓	
E. coli		✓	✓	✓
Coliforms		✓	✓	✓

The benefits of an Independent Water Testing Laboratory

An independent, accredited Laboratory will have state of the art equipment making sure you can get all of the required parameters tested accurately, inexpensively and quickly. Accredited laboratories work to strict quality standards which means you can rely on accurate and detailed results for making water treatment decisions.

Procedure for getting an analysis

1 Contact your local Laboratory service. Suggested Laboratories for your region on Page 6.

- Inform Laboratory of the Required Tests (they may have 'packages' which work out better than requesting individual parameters).
- Use approved sample containers from the Lab if needed.
- Confirm the price & method of payment.

2 Collect sample in accordance with the procedure on the bottle.

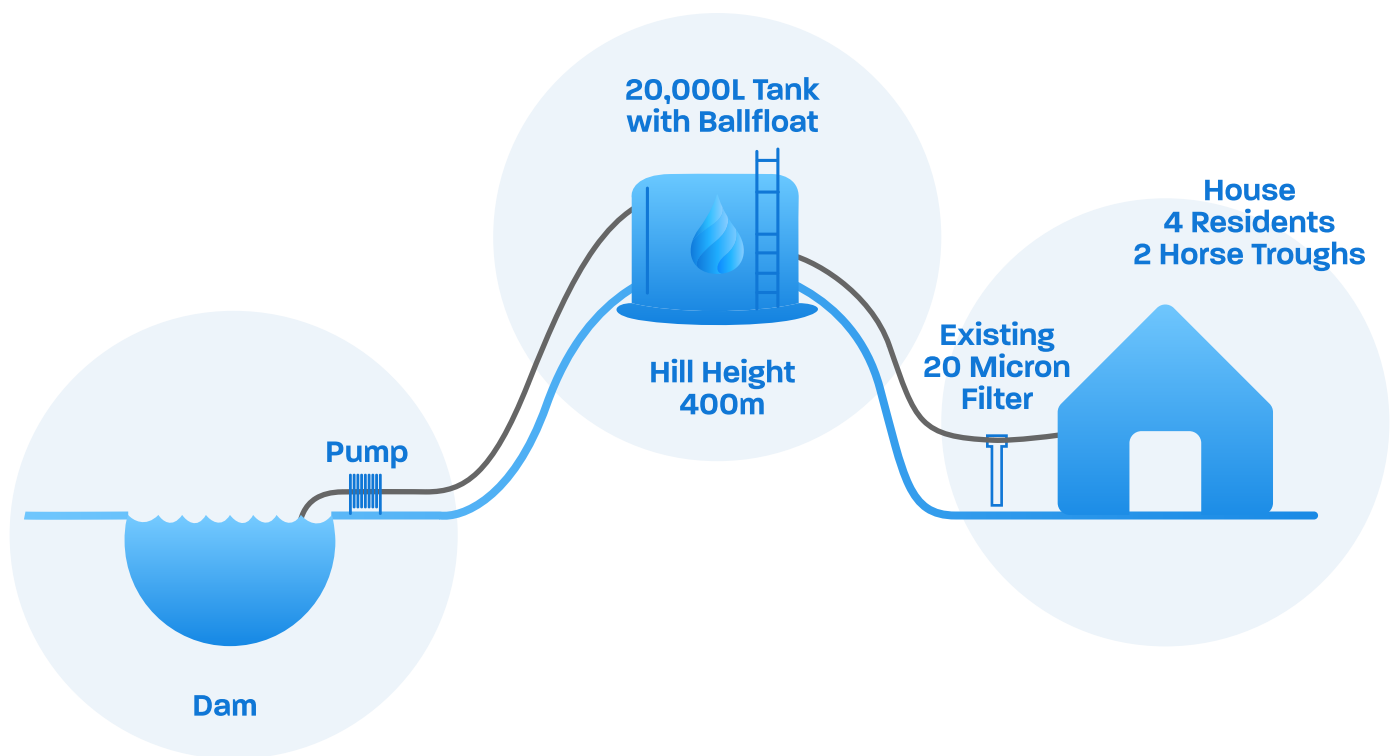
3 Deliver to the Laboratory with the required paperwork immediately.

4 When you receive the analysis report, email this to info@transformwater.com.au for expert evaluation of the results and comprehensive treatment options.

5 Important additional information to be submitted with the analysis report:

Your contact details, site address, water source, flow-rate, daily required volume, known water quality issues, desired outcome, existing water pressure & site drawing as per the example on Page 5.

Site Drawing Example




Accredited Laboratories

The following Laboratories have been selected due to having the best representation in your region. Recommendations for other laboratories can be obtained by contacting your local council or a water provider in your local area.


ALS Global

 www.alsglobal.com

 +61 7 3367 7900

Envirolab

 www.envirolab.com.au

 1300 424 344

Extended Metals Analysis

Some heavy metals can be a concern for health. While health concerns aren't common, some geographic regions and environmental conditions have known issues. If you have known issues or are unsure, an extended metals analysis is recommended.

Bacteria Testing

If bacteria testing is required it must be sampled in containers approved/supplied by the laboratory and handled in accordance with their directions. Samples must be tested within 24 hours. This typically means the samples must be at the lab the SAME DAY as they are sampled.

NOTE: All water quality results are subject to change. Bacteria, in particular, can change very rapidly, without any taste or visual indications. Transform Water recommends the installation of a suitable disinfection system on all untreated water sources.

**Still not sure what to test for?
Contact Transform Water.**



1800 702 156



info@transformwater.com.au



transformwater.com.au



Puretec[®]
PERFECTING WATER

Much of the content contained in this document has been originally created by Puretec. Puretec manufactures innovative solutions to achieve the best possible outcome for water filtration needs.



TransformWater

ADDING VALUE TO AND WITH WATER