

Surveyors check list for routine water quality sampling:

TEST RESULTS	Notes/Help	Result / Done / Other / n/a
1. Measure depth of water	If not possible to measure, then please estimate as best you can i.e. in 3 places across the width and divide for an average.	
2. Measure width of waterway	As above	
3. Calculate Flow rate cross section	Multiply 1 x 2 Make sure you are using the same measurement consistently throughout. Millimeters, centimeters or meters. Ensure the decimal point is consistent and remember to record in square meters.	=
4. Assess speed of water flow (timed speed over specified distance – average. Play Pooh Sticks! Measure a distance 1 or 2 meters, drop a stick at the start and time its journey)	Distance to Travel divided by the time taken to travel that distance (m/s) - Distance - Time taken to travel As above use consistent measurements.	
5. Calculate the Flow Rate	Multiply 3 x 4 Please state the measurement used.	=
6. Record water temperature	Hold the monitor in the water on site and wait until the reading settles	
7. Record water PH	As per 6.	
8. Measure Turbidity	Fill the turbidity tube until the cross at the base can no longer be seen. Note the level.	
9. Collect a test sample. Your test sample and monitor need to be at the same temp. Wherever you test the sample and monitor needs time to acclimatize. If you test at home Your sample may need a little time warm up if you test at site your equipment may need a little time to cool down. Do not worry if the temperature discrepancy is too much for the meter it will tell you, just wait a while longer and repeat.	Ensure a clean container is used and has been thoroughly swilled with river water. Collect approximately 1 litre and store in a cool place.	
10. Take Nitrate reading	Please follow the instructions that come with the monitor.	
11. Take Phosphate reading	Please follow the separate instructions for the monitor.	
12. Take Ammonia reading if you suspect any pollution and you have an Ammonia meter	Please follow the separate instructions for the monitor.	
13. Did you see any visible sign of pollution? Take 3 photographs and a 1 minute video	Refer to and familiarize yourself with the Identifying Pollution page on the The Cleddau Project Surveyor Website page.	Report to The Cleddau Project on the Survey Page and report to NRW.

