









So we could test the water clarity...



OK the clarity tube is full...



Now let's take a measurement.....





Then we tested the streams temperature...a nice cool 14 degrees celcius – that's pretty good too.



Followed by the pH...it was 6.5.
That's a little acidic but OK.



More quality control of that water clarity...



Now to test the flow...



Here it comes!!



It took 35 seconds for the ball to travel 10 metres



Then Kim explained how to find the invertebrates...



Meanwhile...the quality control continues!!



Now for the really fun part ... let's see what we can



Let's take a look at some of the creatures we found



Freshwater
Shrimps –
they get a
score of 5



Water
Boatman –
they also get
a score of 5







Time to pack up now...don't forget to Check, **Clean and Dry** that equipment so we don't spread any of those pest plants around!



And time for a quick debrief...so how healthy is the Waiarohia Stream??



| Test | Result | What this means |
|-------------------------------------|--------------------|--------------------------|
| Clarity | 82cm | Good |
| рН | 6.5 | Good but slightly acidic |
| Temperature | 14 degrees Celcius | Good |
| Flow | 0.3 m/s | Good |
| Macroinvertebrate sampling: | | Good |
| Backswimmer | 1 | 5 |
| Amphipods | 7 | 5 |
| Flat Mayflys | 23 | 8 |
| Water Spider | 1 | 5 |
| Water Boatman | 4 | 5 |
| Rounded Snails | 10 | 3 |
| Worms | 3 | 1 |
| Shrimps | 16 | 5 |
| Dytiscid Beetle | 1 | 6 |
| Free-living Caddisflies | 1 | 5 |
| Fish Present: | | |
| Mosquitofish (Gambusia – pest fish) | 3 | Not good |

The Waiarohia Stream needs your help!! Over the summer it's temperature spikes to up to 25 degrees celcius in places – that's the warmest stream in the whole of Northland!

The stream also receives a lot of stormwater runoff including pollution from roads, runoff from farms and houses and rubbish which eventually ends up out in our harbour.

The Waiarohia Stream has lots of water weeds in it including Oxygen Weed, Curly Pondweed and Parrot's Feather.