

TRACKING BERNARDO'S WATER PARAMETERS OVER TIME

By Gabriela M. Morales Medina

THIS IS BERNARDO, THE BEST BOY

As bernardo's main caretaker, I change his water every week. While changing his water, I also tests and record the water parameters to make sure he's living in the healthiest water possible. Here's some visualizations of the changes over time of the four main water parameters key to keeping him alive

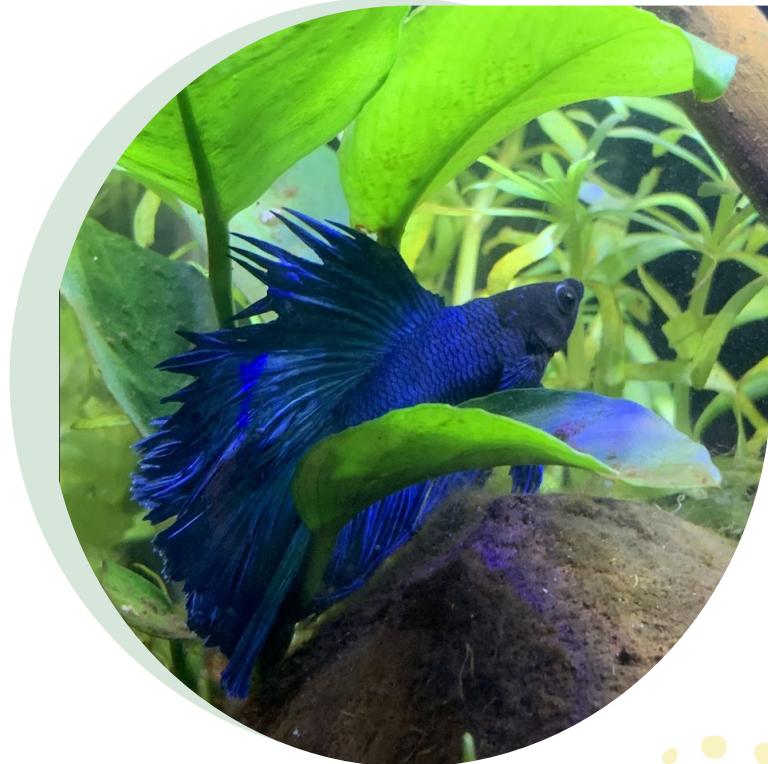


TABLE OF GRAPHS

01 Overall Change Over Time

This is mean to show what weeks were overall the most stable in the tank

02 Ammonia

This is poisonous for the fish
You want is at 0 or close to 0.

03 Nitrite

This is slightly less poisonous for the fish
You want is at 0 or close to 0.

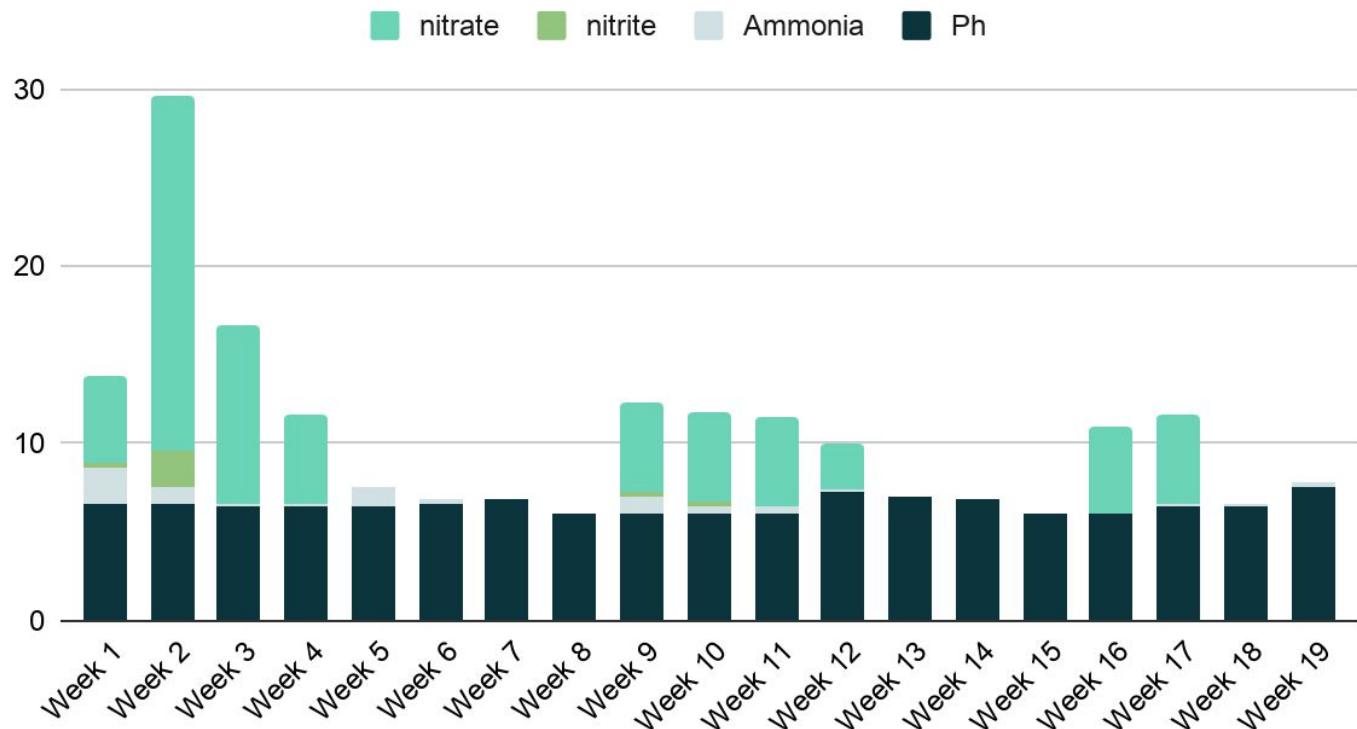
04 Nitrate

This is the least poisonous for the fish
You still want is at 0 or close to 0.

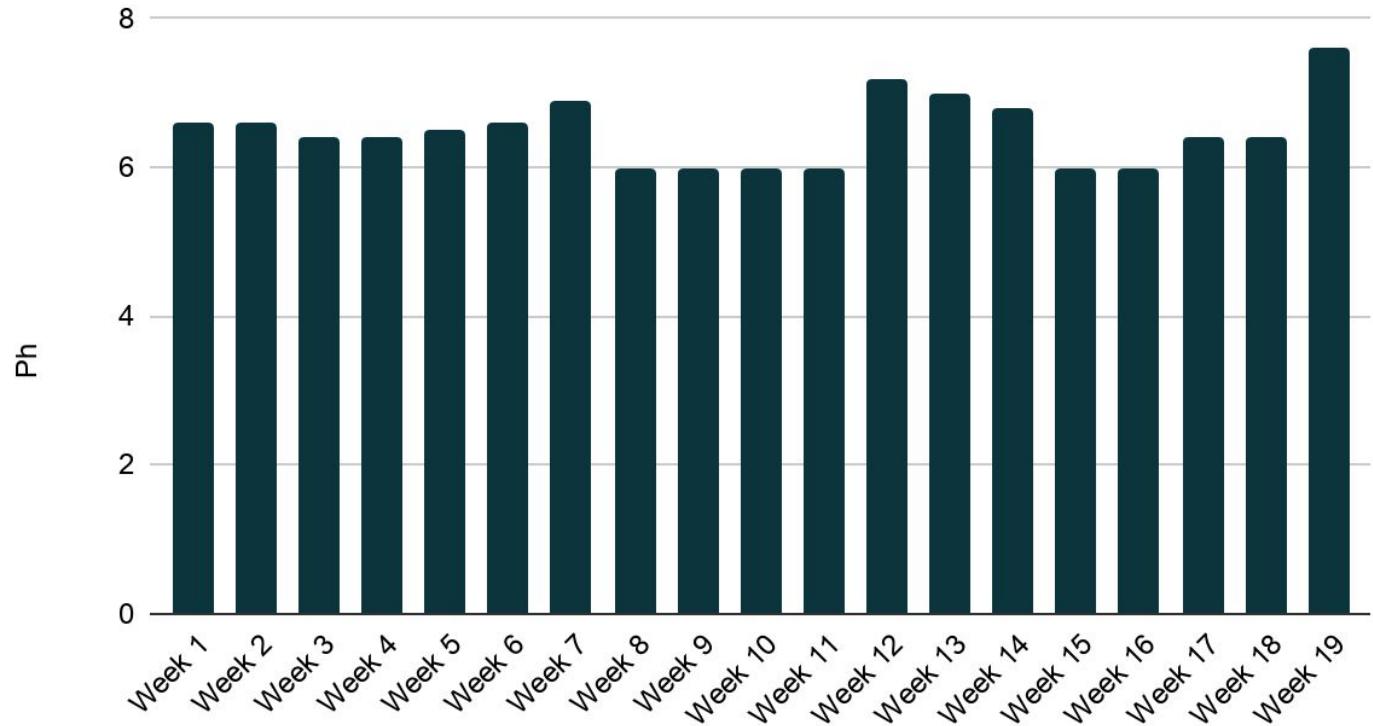
05 PH

The ideal Ph for a Betta fish is 7. This is affected by local water quality

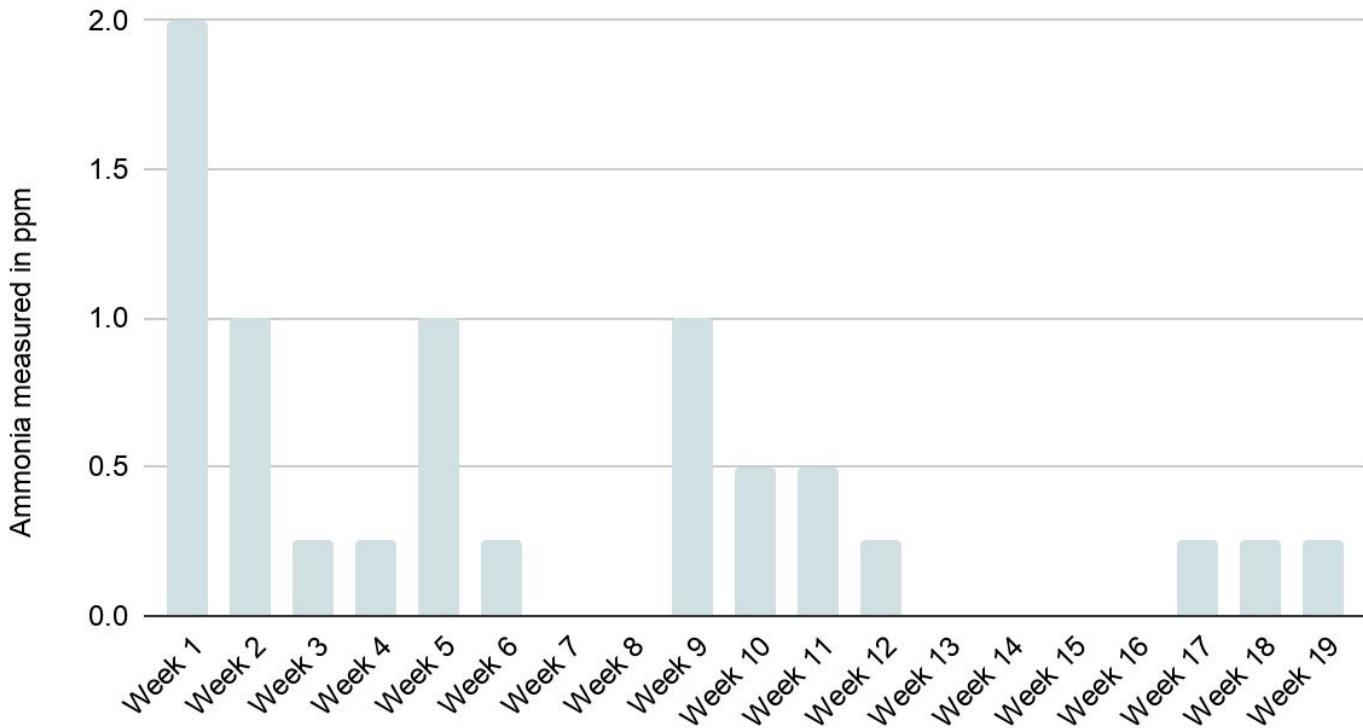
Water Parameter Change Over Time



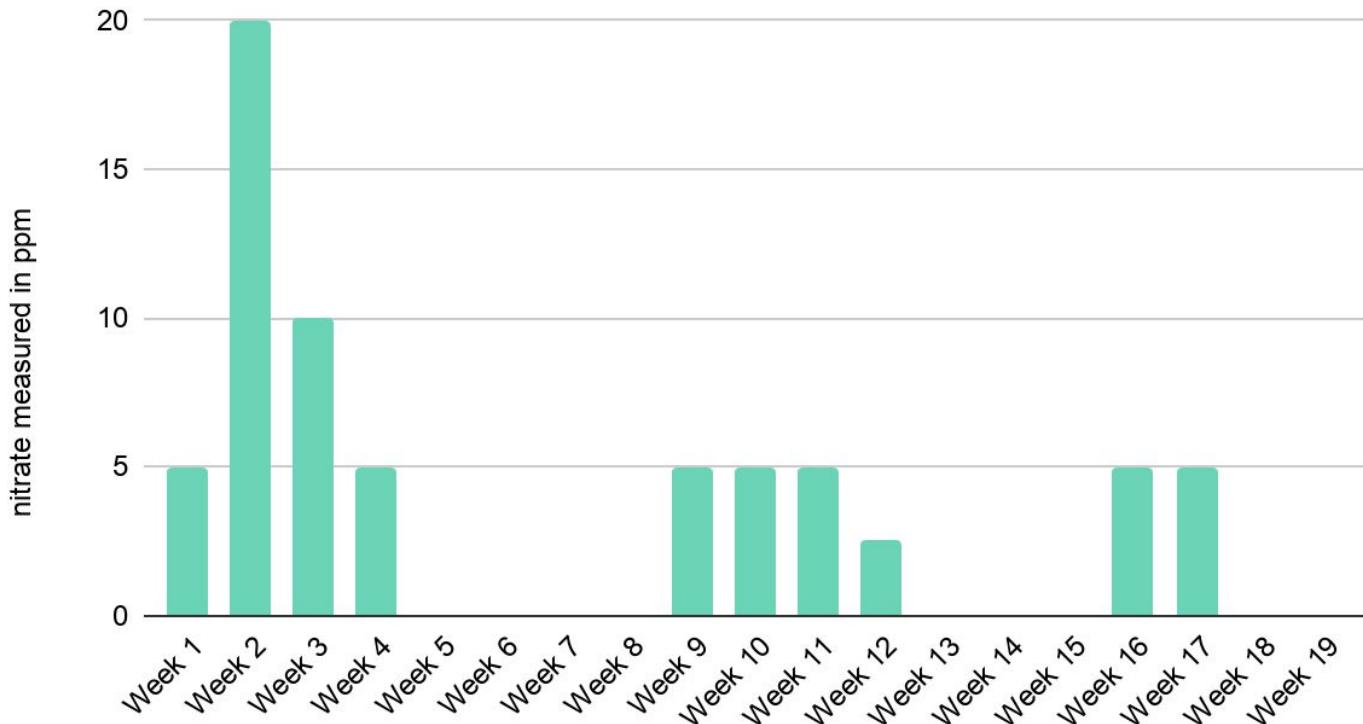
Ph Change Over Time



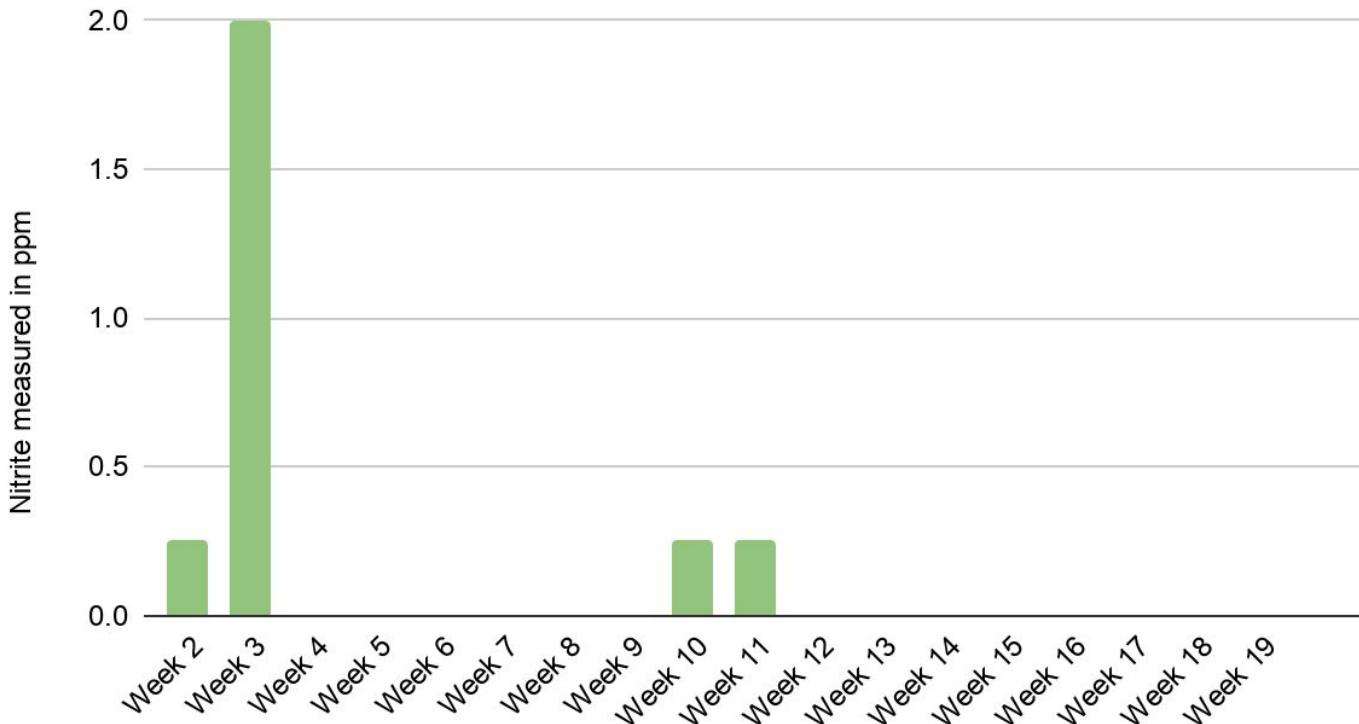
Ammonia Change Over Time



Nitrate Change Over Time



Nitrite Change Over Time



TAKEAWAYS

1. I decided to emulate Du Bois in this Macro to Micro approach, focusing on showing the “big picture” before diving into the details that compose it
2. The first graphs reveals the overall amount of change over time while the following ones reveal the amount of change per parameter over time
3. My overall goal was for my viewers to get a sense of which dates there was the biggest amount of total change within the water parameters while still being able to observe individual changes
4. A change I would like implement is adding context (ex: such as the date a new tank was bought or when new chemicals were tested) directly to the charts



THANK YOU FOR
YOUR ATTENTION