

AQS106
Introduction to Aquatic
Sciences

Dr. F. Sertel SEÇER

Weekly topics

1. Week Aquaculture in Turkey and world
2. Week The role of Aquatic Sciences in Human Life and Consumption
3. Week What is Fish? Taxonomy of Fish
- 4. Week Water Quality for aquaculture**
5. Week Live foods (microalgae, zooplankton, Artemia)
6. Week Fish transport
7. Week Aquatic crustaceans
8. Week Introduction to Marine Fish
9. Week Introduction to Freshwater Fish
10. Week Introduction to Fish Diseases
11. Week Introduction to Fishing Techniques
12. Week Aquaculture Production Systems – Aquaponics & RAS
13. Week Introduction to Freshwater Aquarium Systems
14. Week Introduction to Marine Aquarium Systems

4. Week

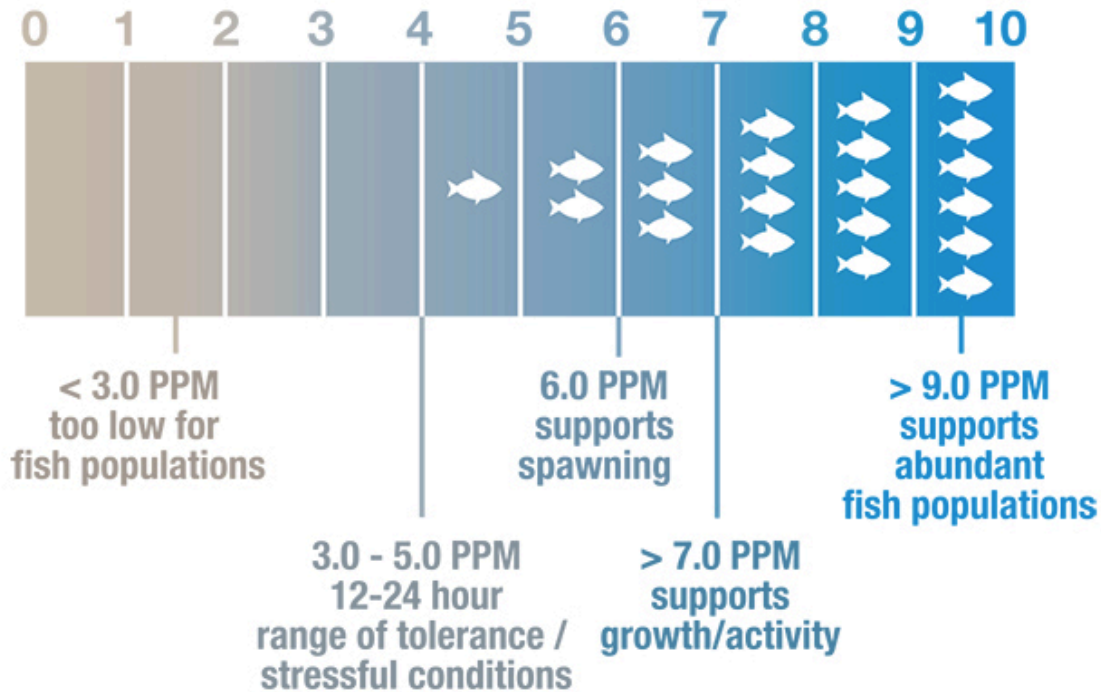
Water Quality for aquaculture

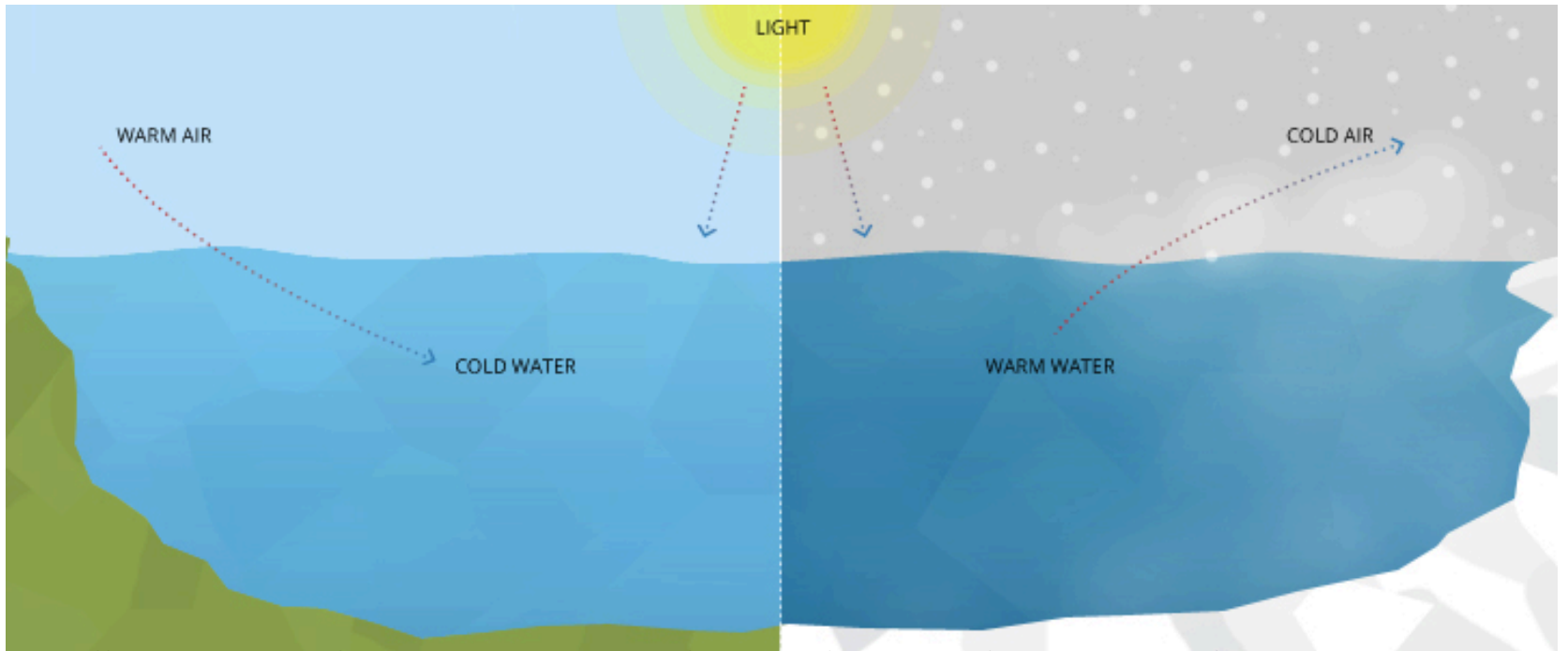
- What is water quality
- What is dissolved oxygen? How to measure dissolved oxygen?
- What is temperature? How to measure temperature?
- What is turbidity? How to measure turbidity?
- What is pH? How to measure pH?



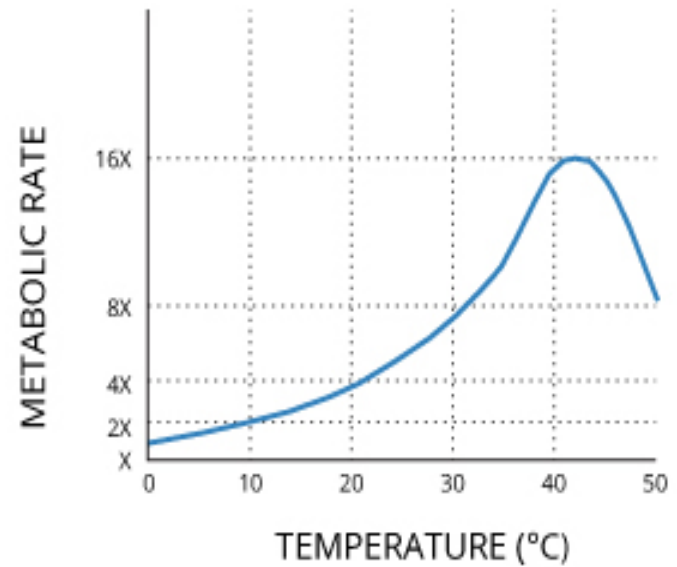
RANGE OF TOLERANCE FOR DISSOLVED OXYGEN IN FISH

PARTS PER MILLION (PPM) DISSOLVED OXYGEN

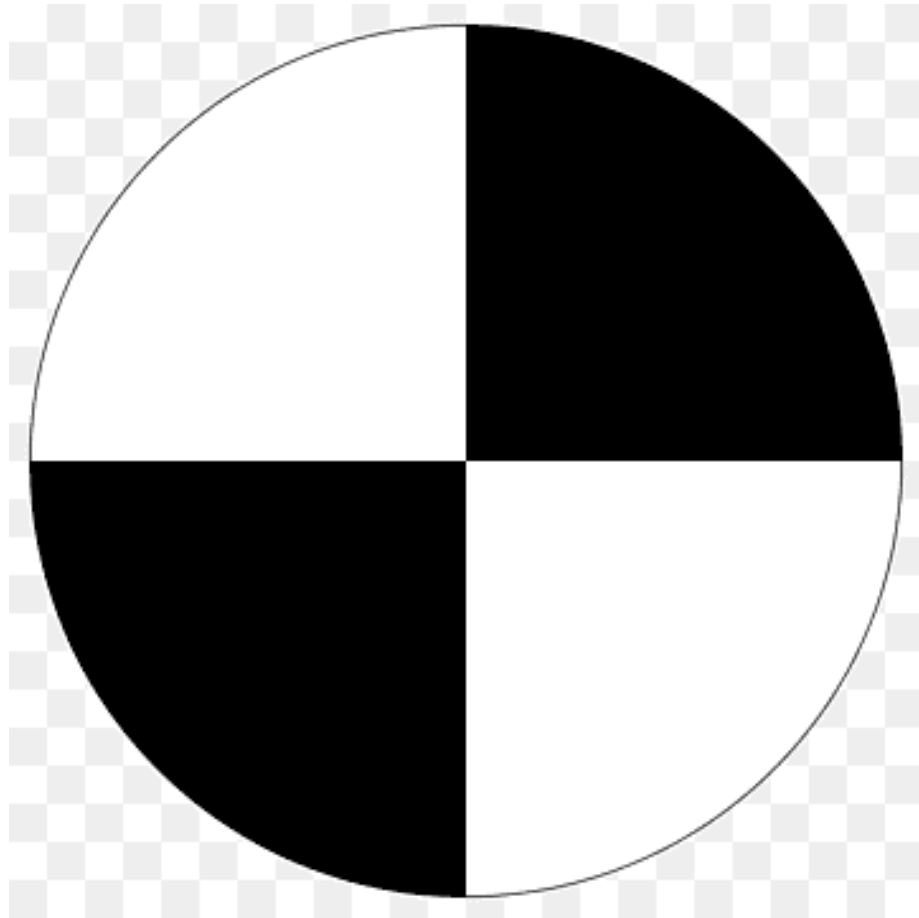




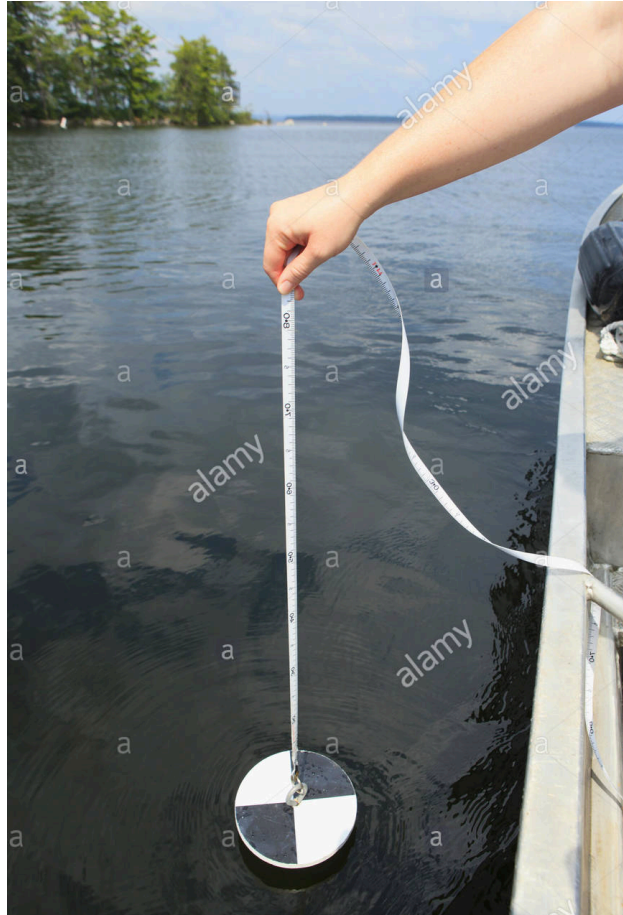
<https://www.fondriest.com/environmental-measurements/parameters/water-quality/water-temperature/>



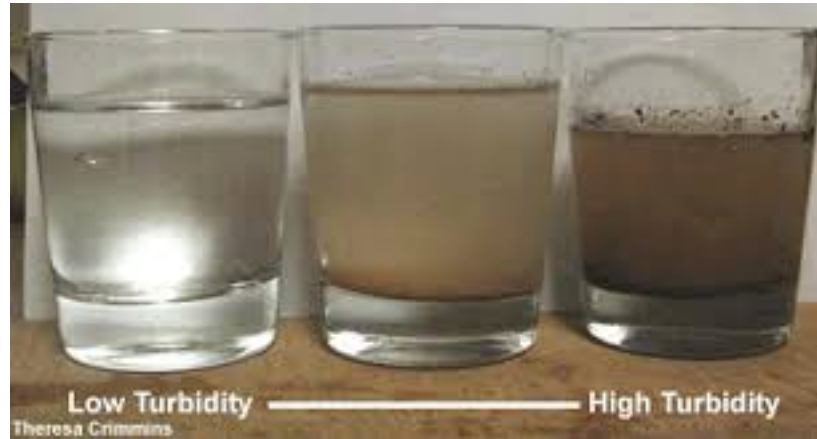
<https://www.fondriest.com/environmental-measurements/parameters/water-quality/water-temperature/>



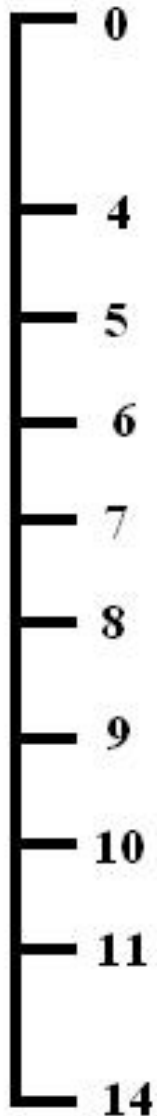
<https://www.pngwing.com/en/search?q=turbidity>



<https://www.alamy.com/water-treatment-engineer-checking-water-quality-turbidity-image275663689.html>



<https://castlebrookestreamstudy.weebly.com/turbidity.html>



0-6.99 Acidic

7.01-14 Alkali

7 Neutral

4-6 fish grow slowly.

6.5 - 9 suitable for fish farming

Below 4 Lethal acidic point

Over 10 lethal alkalinity points