

Warm-up 3-1-10

Eva the Environmental Scientist was testing the water in ~~two~~ ¹ locations at a local stream. Interpret the data.

Water surface temperature:	18 degree celcius	- cool/normal
Dissolved Oxygen:	ave 5-8 ppm 2 ppm	- low
Nitrogen:	ave: 0-1 ppm 5 ppm	- high → possible runoff or Nitrog. waste
pH	7	- neutral
Turbidity	10 JTU	- mild
Salinity	5 ppt	- pretty fresh
Time of Day	6:00 p.m.	

- Lower Turbidity & Low D.O. → slow moving stream
- ↑ Nitrogen = ↑ grow = ↑ decomp (aerobic) = ↓ D.O. = Eutrophication
- At end of day = Max photosyn = Max O₂ prod = 2 ppm is really low