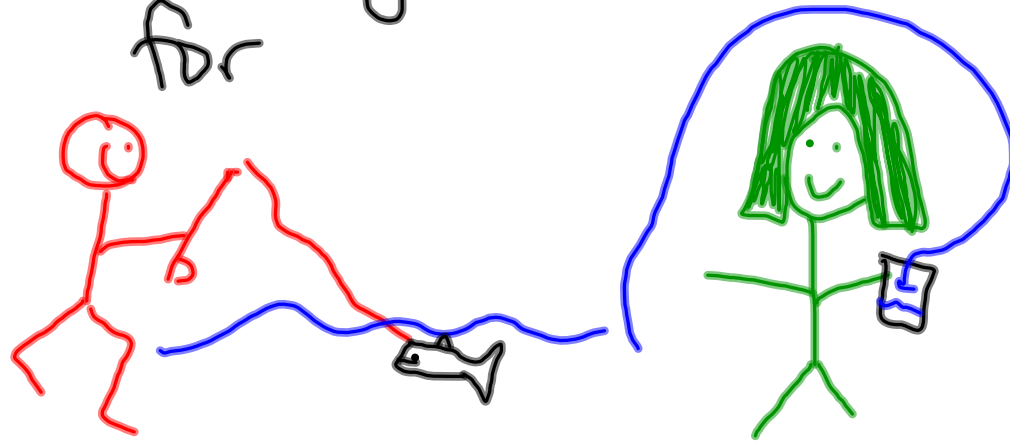


Water quality:

- Is always for some purpose
- Always have to talk about what you'll use that water for



	What is it?	IDEAL VALUES		
		drinking	swimming	trout
temp.	Vibration of molecules - energy that be transferred	40-50°F	60-80°F	32-45°F
pH	H ⁺ , OH ⁻ - very reactive	5.5-7	5-8	5-7
DO	O ₂ gas suspended in water - required for some orgs to breathe	—	—	10 mg/L+
turb	particles in water - increase temp, can clog orgs gills	0-50 NTU	0-100 NTU	0-100 NTU

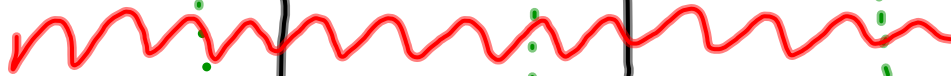
For SWIMMING:

most
important
pH

2nd
most
temp

3rd
most
turbidity

not
important
DO

Ideal (Good)	OK	Poor
5.5-8 25	4.5-5.5 15 8-9	< 4.5 > 9 0
60-80°F 15	45-60°F 8 80-100°F	< 45°F > 100°F 0
0-100 NTU 10	100-500 NTU 5	> 500 NTU 1
		

50 (max)

1 (min)