T	emperature	pH	Solids (TDS)	(DO)	(NO ₃)	(PO ₄)	(TURB)	(ALK)
5	Sunlight shading from streamside forests, and groundwater (especially in small streams)	Normal, uncontaminated precipitation, respiration when it contributes CO ₂	Minerals from rocks, bedrock, and soils, and low levels of nutrients.	Water mixing with atmosphere from surface diffusion, tumbling over riffles, and also from photosynthesis	Decomposing organic matter, animal waste, and atmosphere	Decomposing organic matter (plants and animals) and animal waste	Inorganic matter (soil & sediments), organic matter, phytoplankton, and suspended solids	From our geology sandstone, soil, and the calcium carbonate they contain
1	Removing shady streamside forests, industrial discharges	Acid rain and acid mine drainage	Road salt used in the winter, excess nutrients, and metals	Any unnatural action that warms the water, kills photosynthesizing plants, or limits surface diffusion	Fent vers from farm fields and the rest from an and animators ste	ortilizers om farm fields and lawns; human and animal waste	Soil erosion from a poorly managed riparian buffer zone	Increased acid rain and mine drainage inputs ha reduced the effectivenes this parameter
1	Fish perish/relocate because of the drastic increase in this parameter	Fish perish/relocate because of the drastic decrease (usually not an increase) of this parameter	Disrupts the process of osmosis in aquatic life	Fish perish retreate because of a draw decrease this large ter.	Causes eutrophication	Causes eutrophication	Higher levels of this parameter will make creek absorb heat	Little/no calcium carbonate available raise stream pH
	Disrupts the timing for starting stages of aquatic life cycles (especially adult emergence)	Low levels of this parameter will free toxic metals that were locked up in sediments and reas	Higher salt contain detected by this set wilk ses freshwater creatures	Eutrophication causes this parameter to decrease	Interferes with blood's ability to carry oxygen (blue baby syndrome and fish brown blood disease)	Because it usually is the limiting factor for plant growth, in excess it sparks algal blooms (visually displeasing)	Reduces visibility for predators and prey, clogs fish gills, smothers eggs, and fills spaces between rocks	Some streams cannot neutralize acid rain
	°C 50 30.	o to ts. 4 on a log 10 scale	mg/L	mg/L	mg/L	mg/L	JTU	mg/L
	Normal creek range- 0.0-33.0	Normal creek range-6.16-8.80	Normal creek range- 60-460 mg/L	Normal creek range- 6.0-14.0 mg/L EPA Standard-	Normal creek range- 0-2.6 mg/L	Normal creek range- 0.010-0.430 mg/L	Normal creek range- 0-42 JTU EPA Standard- Should not reduce the	Normal creek range 20-200 mg/L
	EPA Standard- none	EPA Standard- 6.5-8.5	EPA standard- 500-750 mg/L	Only enough to maintain aerobic conditions	EPA Standard- <10 mg/L	EPA Standard- <1.0 mg/L	level of photosynthesis activity by more than 10%	EPA Standard- >20 mg/L