

NYS water quality standards

PH: NYS DEC standard for class A,B,C waters are 6.5- 8.5

Alkalinity: Levels:

Acidified	- 0
Critical	- 0-2 mg/l
Endangered	- 2-5 mg/l
Highly Sensitive	- 5-10 mg/l
Sensitive	10-20 mg/l
Not Sensitive	20 or higher mg/l

Dissolved Oxygen:

Class A-S Waterway	– 6.0 mg/l
All other class A and B,C:	
Trout spawning (TS)	7.0 mg/l
Trout waters (T)	5.0 daily average 6.0
Non-Trout	4.0, daily average 5.0
Class D:	3.0 mg/l

Nitrogen-Nitrate:

Typical Natural Levels for fresh water – less than 1 mg/l

Recommended levels for trout – less than 0.06 mg/l

Sewage Treatment effluent:- 30mg/l

NYS DEC Water Quality Standards: Class A – 10 mg/l

Class B,C,D: none that will result in growths of Algae, weeds and slime that will impair use.

Phosphate(ortho phosphate):

NYS DEC standards: None that will result in growth of Algae, weeds, and slime that will impair use

Guidelines – Above 0.05 mg/l “impact likely”

- Above 0.1 mg/l “impact certain”

Conductivity:

Conductivity can range greatly (50-1500 us/cm), however readings in a particular stream tend to remain constant over time. Therefore with regular monitoring any sudden record increase or spike in conductivity could indicate a discharge of some type of pollutant or septic problem.

Turbidity: NYS DEC standards: For all Classes “ no increase that will cause a substantial visible contrast to natural conditions