

Conductivity in differing levels of nitrates and pH in waters

The image features five glass bottles of varying shapes and sizes, each containing a liquid of a different color. From left to right, the bottles contain cyan, red, blue, green, and yellow liquids. The bottles are arranged in a slightly overlapping manner, with the red and green bottles in the foreground and the cyan, blue, and yellow bottles slightly behind them. The background is a plain, light gray surface.

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Ph Comparison



We took two sources of water from Todd's Point beach in CT and East Providence reservoir.

Todd's Point had 7.6 pH, and

East Providence had 7.6 pH

This means that Todd Point beach has the same pH levels as the East Providence reservoir which means both are similar waters despite the fact that they are in different areas.

Comparison in Nitrates (Amount of conductivity)



We test conductivity through testing for Nitrates, which looks for minerals since electricity only runs through solid objects.

One of two water sources (Todd's point) had 0ppm

The other source (East Providence reservoir) had 0ppm

Both have the same ppm levels which makes sense in the fact that they had the same ph levels.

Conclusion

In conclusion, higher pH levels are more conductive because they have more nitrates, minerals, and solid objects, but neither was more conductive than the other because of this.

The same goes for nitrates because they were also the same. Since they both had the same amount of nitrates

