

REFERENCES

1. and 2. Cyanobacteria and Microcystins

- A. mass.gov/info-details/guidelines-for-cyanobacteria-at-recreational-freshwater-locations
- B. mass.gov/guides/cyanobacterial-harmful-algal-blooms-cyanohabswater

3. Total Phosphorus

- A. <https://www.yumpu.com/en/document/view/38387792/information-on-phosphorus-amounts-water-quality-osse>
- B. <https://pubs.usgs.gov/wri/wri994007/pdf/wri99-4007.pdf>

4. Reactive Soluble Phosphorus and Orthophosphate

<https://communityscience.org/wp-content/uploads/2023/11/Soluble-Reactive-Phosphorus-Fact-Sheet-2023.pdf>

5. Nitrates and Nitrites

- A. <https://archive.epa.gov/water/archive/web/html/vms57.html>
- B. <https://www.health.state.mn.us/communities/environment/water/docs/wells/waterquality/nitrate.pdf>

6. Total Kjerdahl Nitrogen

<https://communityscience.org/wp-content/uploads/2023/08/TKN-Fact-Sheet-2023.pdf>

7. Secchi Disk Depth

https://en.wikipedia.org/wiki/Secchi_disk

8. Trophic State Index (TSI)

<https://agriculture.vikaspedia.in/viewcontent/agriculture/fisheries/fish-production/capture-fisheries/fish-culture-in-lakes/trophic-state-index-tsi?lgn=en>

9. Alkalinity

https://www.umass.edu/mwwp/protocols/lakes/ph_alkalinity_lake.html

10. Dissolved Oxygen

<https://datastream.org/en-ca/guidebook/dissolved-oxygen-do>

11. pH

https://www.umass.edu/mwwwp/protocols/lakes/ph_alkalinity_lake.html

12. Chloride

<https://pubmed.ncbi.nlm.nih.gov/articles/PMC9956284/>

13. Chlorophyll a

<https://www.knowyourh2o.com/outdoor-4/ecosystem-and-lake-productivity-by-chlorophyll-analysis>

14. Sample (Water) Temperature

[https://www.mbgnet.net/fresh/lakes/pond.htm#:~:text=Water temperatures in lakes during,7.4–18.8 degrees C\).](https://www.mbgnet.net/fresh/lakes/pond.htm#:~:text=Water temperatures in lakes during,7.4–18.8 degrees C).)

15. Arsenic

<https://www.mass.gov/info-details/arsenic-and-uranium-in-private-drinking-water-wells-in-massachusetts>

16. Sodium

A. <https://www.caryinstitute.org/news-insights/media-coverage/lakes-are-being-salted>

B. <https://www.mass.gov/info-details/sodium-salt-in-drinking-water>

17. Sulfate (SO₄,2-)

https://www.epa.gov/sites/default/files/2014-09/documents/support_cc1_sulfate_healtheffects.pdf

18. Calcium

https://aquaculture.mgcafe.uky.edu/sites/aquaculture.ca.uky.edu/files/srac_4606_interpretation_of_water_analysis_reports_for_fish_culture.pdf

19. Conductivity

<https://www.hrc.org/wp-content/uploads/2013/09/Conductivity.pdf>

20. Fluoride

https://19january2021snapshot.epa.gov/sites/static/files/2015-10/documents/2011_fluoride_questionsanswers.pdf

21. Hardness (as CaCO₃)

<https://www.healthvermont.gov/environment/drinking-water/hardness-drinking-water>

22. Iron

<https://www.health.state.mn.us/communities/environment/water/wells/waterquality/iron.html>

23. Magnesium

<https://www.sciencedirect.com/science/article/pii/S0160412022002045>

24. Manganese

https://portal.ct.gov/-/media/departments-and-agencies/dph/dph/environmental_health/eoha/toxicology_risk_assessment/manganese_final.pdf

25. Total Coliforms

<https://www.umass.edu/mwwp/protocols/index.html>

26. E. Coli

<https://www.mass.gov/info-details/frequently-asked-questions-about-monitoring-water-quality-at-beaches>

27. Lead

<https://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water#regs>

28. Total Dissolved Solids

<https://ei.lehigh.edu/envirosci/watershed/wq/wqbackground/tdsbg.html>