

What's in the Water?

QUESTIONS

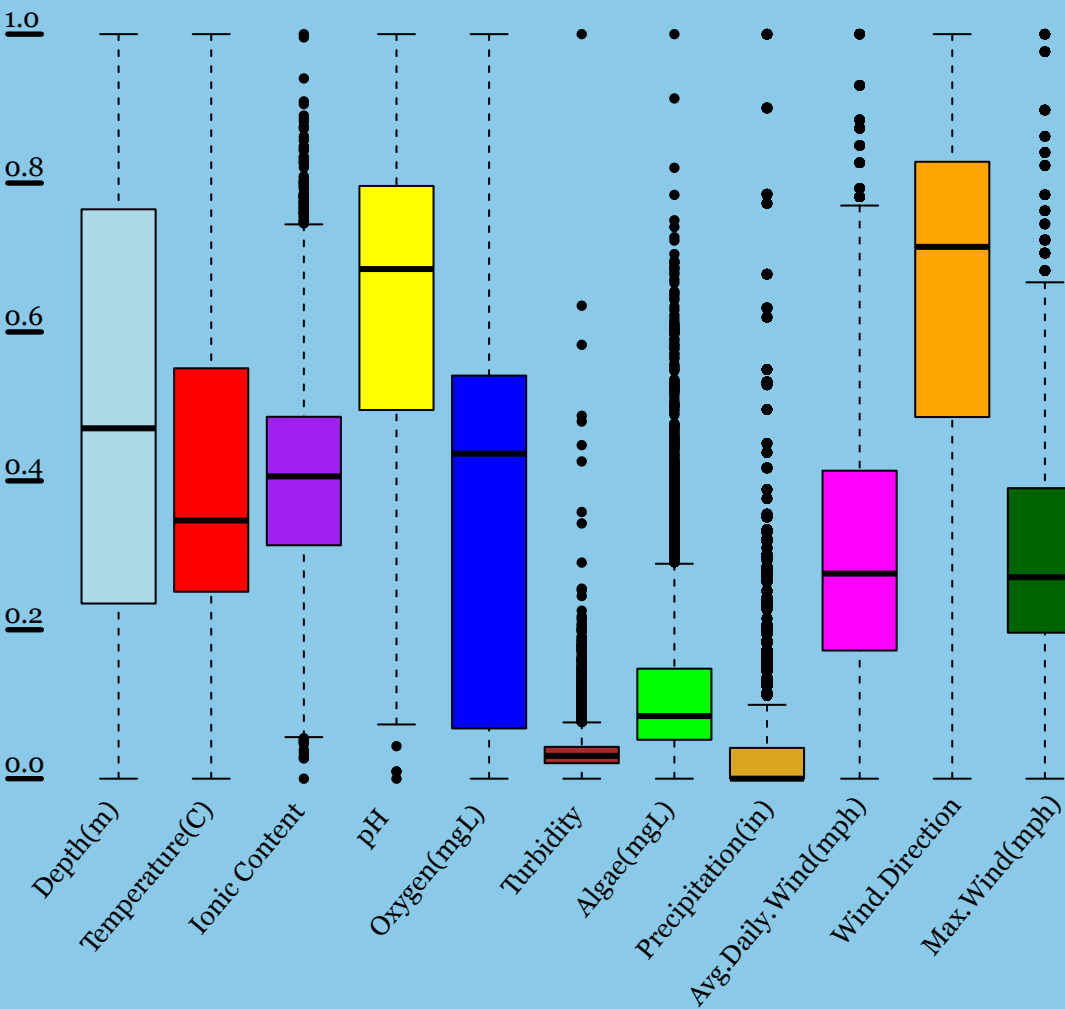
How does the variation compare between the metrics?
How do the Onondaga Lake metrics compare to each other?
Do they measure at all of the depths every time?
Which algae levels are the most common?
Do the algae levels change at different depths?

TEAM

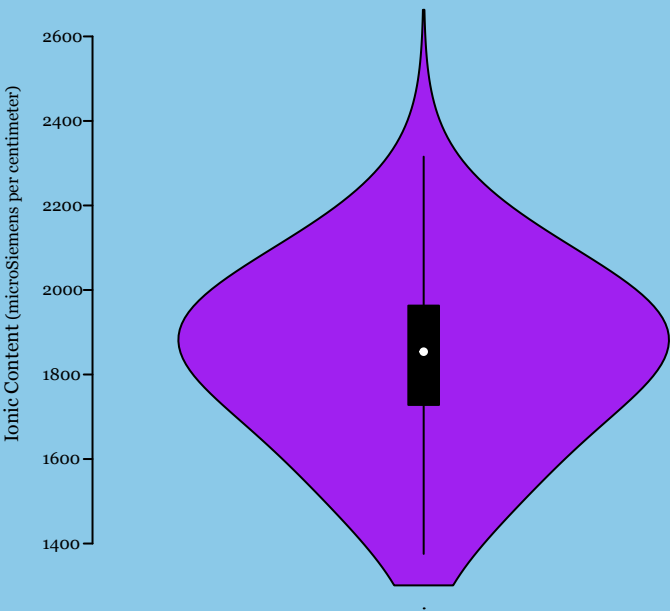
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IST 719 - Tuesdays 7:00 - 8:30 PM

A cursory look at the Onondaga Lake and NOAA datasets with a focus on Ionic Content (saltiness) and Algae Level.

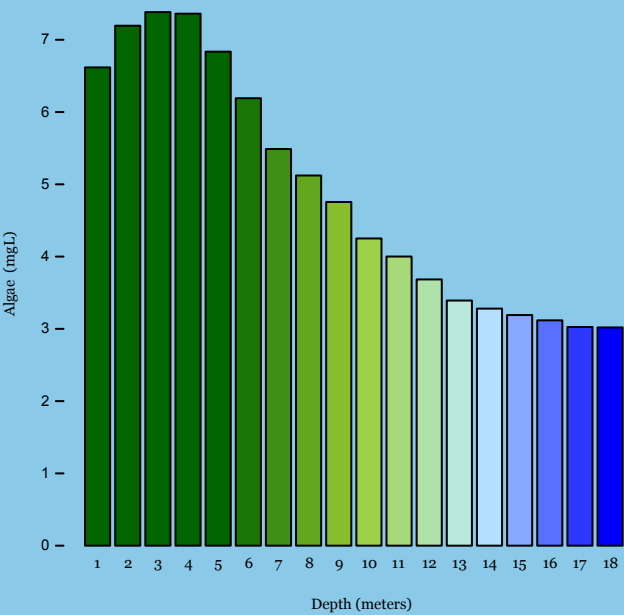
Variation of Onondaga Lake Measurements



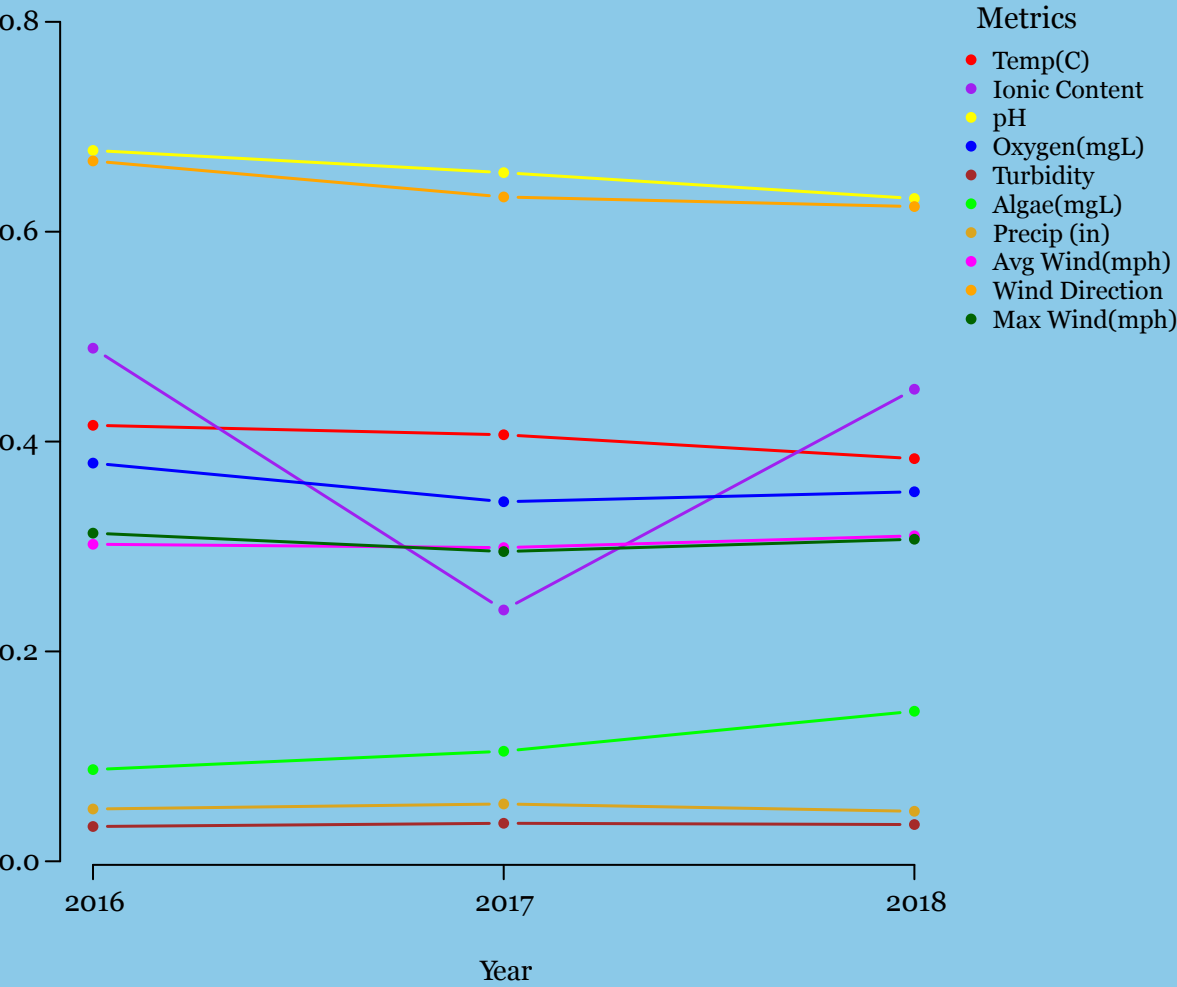
Ionic Content Measurements for Onondaga Lake



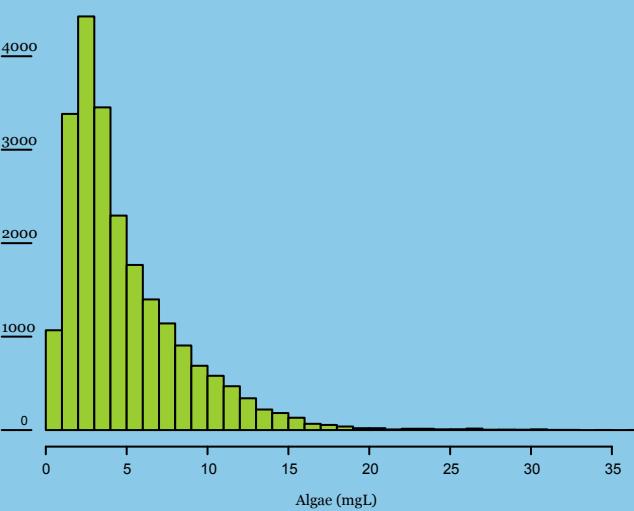
Onondaga Lake Algae Level by Depth



Annual Onondaga Lake Metrics 2016–2018



Histogram of Onondaga Lake Algae Levels



SOURCES

Source: Onondaga County Department of Water Environment Protection and Upstate Freshwater Institute (2016-2018 data from South Deep station)
Source: NOAA National Climate Data Center (<https://www.ncdc.noaa.gov/cdo-web/datasets#GHCND>)
(2016-2018 data from Station USW00014771 (SYRACUSE HANCOCK INTERNATIONAL AIRPORT, NY US))