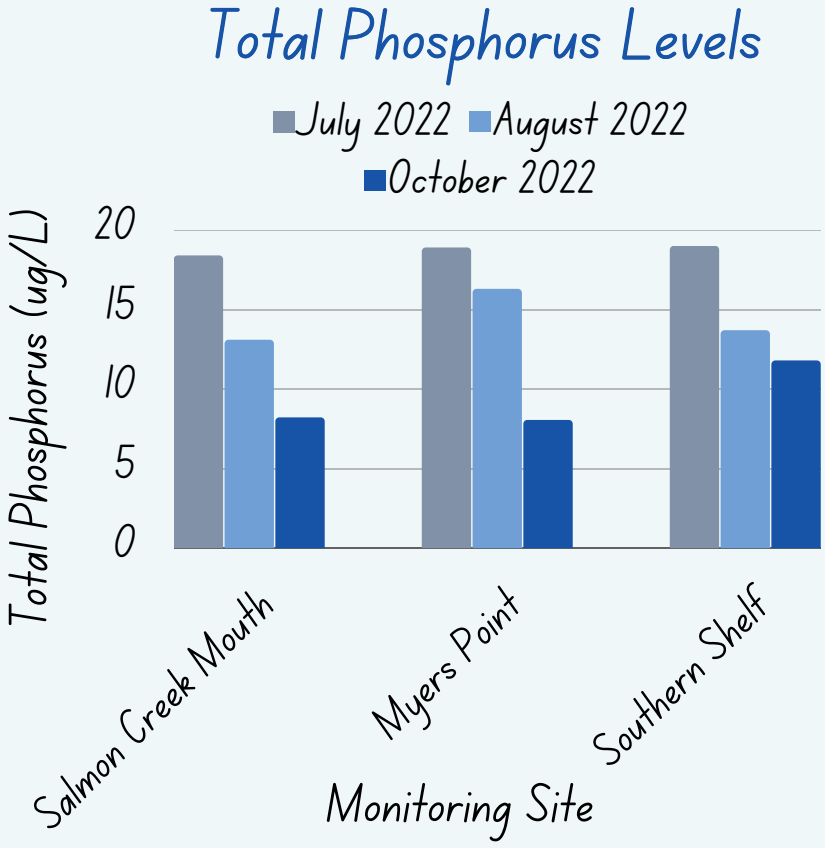
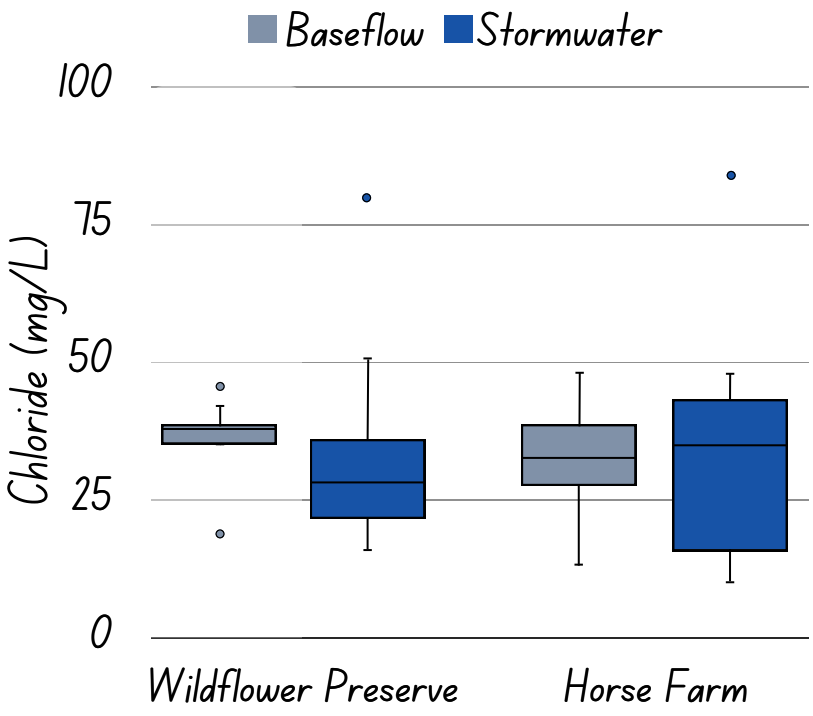
Graph Types & Their Uses



Bar Chart

A bar chart compares values between different categories. Here, we can see that at multiple sites on Cayuga Lake, Total Phosphorus was highest in July of 2022 and lowest in October of 2022.



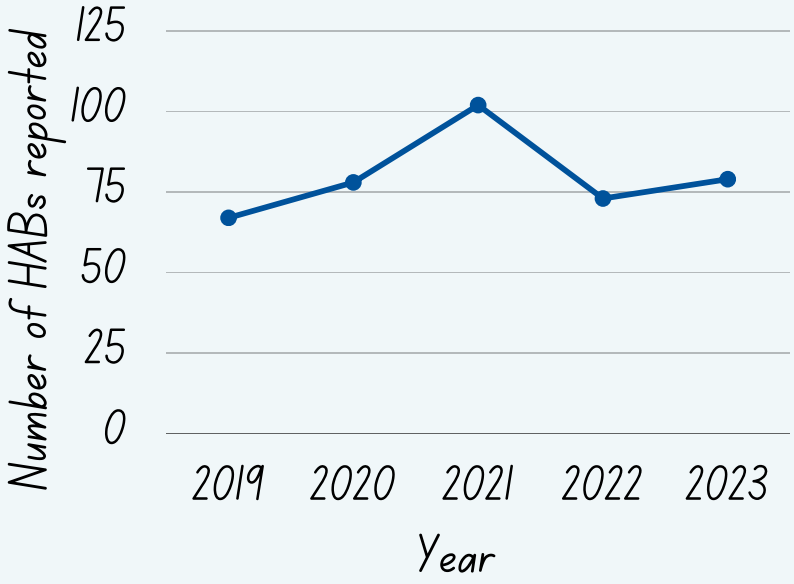
Box Plot

A box plot displays information about data and their distribution. The center lines represent the median, while the boxes represent the central 50% of data points. The bigger the box, the greater the variation in the data. The vertical lines on the boxes show the remaining 50% of data points, with the individual points representing outliers.

Created by Grace Haynes 10/25/2023

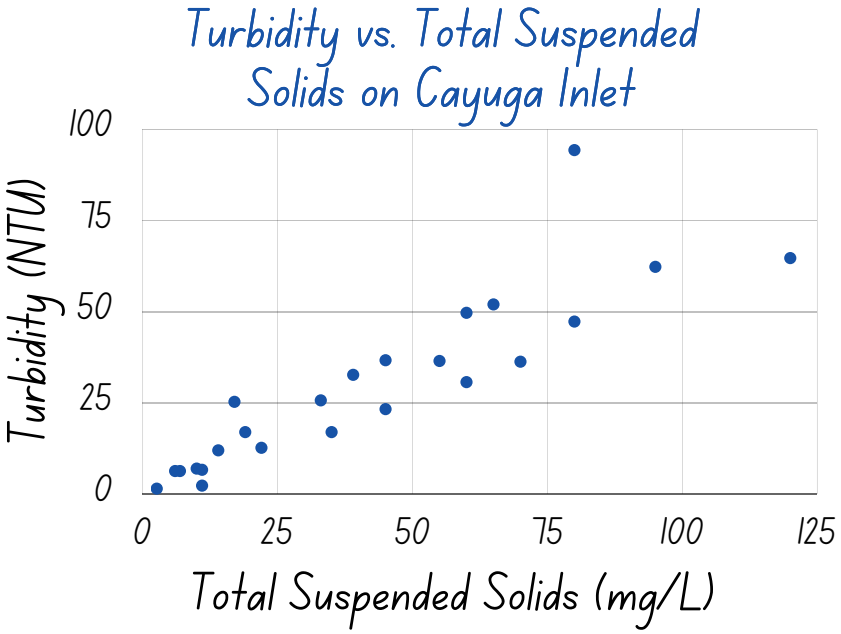
Community Science Institute
Partnering with Communities to Protect Water

HABs 2019 - 2023



Line Graph

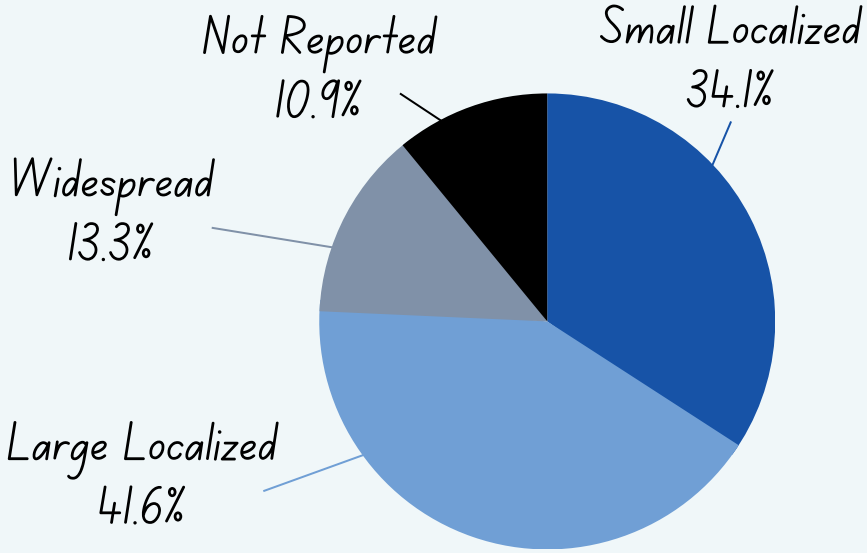
A line graph shows trends in data over time. The line connecting the points over each year demonstrates that the number of Harmful Algal Blooms (HABs) reported on Cayuga Lake between 2019 and 2023 peaked in 2021.



Scatter Plot

A scatter plot shows the relationship between two variables. If the points demonstrate a clear trend, it shows that the two variables are correlated, as in total suspended solids and turbidity on Cayuga Inlet.

HAB Extents



Pie Chart

A pie chart is made up of "slices" which illustrate proportions. This chart shows the percentage of all reported Harmful Algal Blooms (HABs) on Cayuga Lake that fall into each of 4 different categories of bloom extent.

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