

Final Summary Analysis From My Bot and Sensors

After collecting data on the temperature, PH, and clarity of the water for one and a half months we created graphs of the data and plotted regression lines. From these graphs we can clearly see that the temperature increased as expected with the warming weather, and we found that it rose approximately 4 °C from April first to the end of our testing. The PH and turbidity sensors did not draw accurate enough data in order to make a real conclusion. Both of the sensors were pretty cheap and not equipped for taking data out of the lake, and there also could have been flaws in our functions which could have slightly thrown it off. When we tested both the PH sensor and turbidity sensor at home, it got results close to the true values, so we are unsure why putting it in the lake resulted in inaccurate and inconsistent data. In conclusion, we found that the temperature rose about 4 °C, but the Ph and clarity of the water was inconclusive.







