

Cash Walker
Suffocating Shrimps?

The purpose of my project is to determine how fire ash affects the oxygen saturation in lakes and its effect on the health of Brine Shrimp. My prediction was that if I add wood ash to the water that the Brine Shrimp were living in, the oxygen saturation would decrease and the Brine Shrimp will be affected in a negative way. I left one container of water with no wood Ash, the second container with 2.5 mL of wood ash, the third container with 5 mL of wood ash, and the fourth container with 7.5 mL of wood ash. Every two hours I checked the oxygen levels, and observed the activity over the course of six hours in each jar. I checked the oxygen levels, and observed the activity over the course of six hours in each jar. After collecting all data, I graphed the results for each jar. These r-values indicated the data collected shows little to no correlation. An r-value is the validity of data for the use of trend lines. The closer the r-value is to negative one for negative correlation, and one for positive correlation the better the data would be for trend line. The r-values I collected are. 405, negative. 135, negative. 312, negative. 316. I observed that the Brine Shrimp are affected by contamination of the wood ash. The oxygen level did not correlate with the death of the Brine shrimp, so there had to of been other factors affecting their health.