CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY

Name(s)
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Project Number
S1204

Project Title
Ideal Habitat for Bass

Abstract

Objectives/Goals
Our objective was to find the ideal habitat for bass based on dissolved oxygen and temperature.

Methods/Materials
We used lots of technology including a temperature and dissolved oxygen probe, and a drone to test for the ideal fishing spots in the Lake of the Pines. We counted the amount of fish caught in each area and put this together in a graph with the temperatures and dissolved oxygen levels.

Results
We found that the temperature and dissolved oxygen levels did affect the fish population in the area.

Conclusions/Discussion
Our goal was to find the ideal habitat and we did so. Our hypothesis was correct and there was a ideal habitat with a certain dissolved oxygen level and temperature.

Summary Statement
After gathering data on temperature and dissolved oxygen levels in the Lake of the Pines, we found the ideal habitat and fishing spots for the lake.

Help Received
Our Environmental Science teacher, Jennifer Weir, sparked our idea for the project and provided the tools to measure the data.