

CALIFORNIA STATE SCIENCE FAIR 2004 PROJECT SUMMARY

Name(s)	Project Number
Isabella Tromba; Lara Tromba	J0927
Project Title Invigorating or Deadly II: The Influence of Fertili	izers on Local Ponds
Objectives/Goals Abstract	
 Our objectives was to determine which concentration of Nitrate, Phosphat would lead to the greatest increase in algae growth. Our hypothesis is the solution will lead to the greatest algae growth and dissolved oxygen. Methods/Materials We made a dilution series from 1% to .01% of Nitrate and Phosphate and of a combination of the two. Then we tested dissolved oxygen and comp content. We used a microscope, 100 ml beaker, 2 different kinds of pipp oxygen test kit, pond water, cups, tap water, and fertilizer. Results Our results and conclusion was that the .3% solution had the most algae. the combination had the highest dissolved oxygen measured in ppm. so, a conclusions/Discussion We think that the phosphate and some Antonellis samples moved onto the which is when the bacteria begin breaking down the algea. If this happer oxygen because the bacteria use up oxygen and less algae content. 	at the .3% nitrate and phosphate d then we made a .3% to a .03% pared algae with dissolved oxygen betes, an eyedropper, a dissolved Both the westlake phosphate and our hypothesis was partly correct.
Summary Statement The effect of Nitrate and Phosphate Fertilizers on agal growth in Antone	lli's and Westlake Pond

Mother gave us pointers on how to design our display board.