

CALIFORNIA STATE SCIENCE FAIR 2006 PROJECT SUMMARY

Name(s)	Project Number
Celine Izsak	J0913
Project Title Save Our Seas 4	
Objectives/Cools Abstract	
 I have been studying different ways of remediation for oil spills, for the past 4 y was comparing two components of one form of a severity and a weathering prot the temperature. I compared warm temperatures (Gulf of Mexico) to freezing ter Alaska), trying to find which environment has the highest amount of oil loss wit bacteria that is a result of the degradation of the oil over a 6-day period. I hypotd environment would have the highest amount of weight loss over the 6-day period Methods/Materials I used 100 sterile containers with caps, 25 for Bacteria Warm Environment, 25 for Environment, 25 for Bacteria Freezing Environment, 25 for Control Freezing Er controls contained saltwater and crude oil. Half of the controls were placed in a degrees Fahrenheit, and the other half were placed in a freezer of 0-5 degrees Falabeled bacteria are the same as the controls just with bacteria; half were placed and the other half in a freezing environment. Then over a 6-day period I weigher postal scale to see if there was a reduction of oil in any of the environments. Results On Day 6 Bacteria Warm Environment lost .05 ounces bringing its total weight and its weight at 2.99 ounces, Bacteria Freezing Environment lost .04 ounces br to date .19 ounces and its weight at 3.03 ounces, while both controls did not exp Conclusions/Discussion My hypothesis was correct that a warm environment with oil-hungry bacteria warm environment with oil spills is understanding the severities, charmed that an important factor of oil spills is understanding the severities, charmed for each and every different oil spill.	ears. This year my project cess. Third component was mperatures (Gulf of the use of oil-hungry hesized the Bacteria Warm d. For Control Warm hvironment. All my n environment of 70-75 threnheit. My containers in a warm environment d each container with a loss to date .24 ounces inging its total weight loss berience any weight loss. ould exhibit the highest tis experiment I have acteristics, and tactics
Summary Statement My project is about the effectiveness of oil-hungry bacteria when removing oil f climatic regions.	from oil spills in diffrent

Help Received