

## CALIFORNIA STATE SCIENCE FAIR 2002 PROJECT SUMMARY

Name(s)	Project Number
Hayley E. Swantek	
	22537
Project Title	
Oil Spill Clean-up: Moving or Removing Oil?	
Abstract	
<b>Objectives/Goals</b> The purpose of my investigation into oil spill clean-up was to find the best met	nd of Hean-up My
definition of best method included: removal of the greatest percentage foil from the second s	m the water, the complete
removal of the pollution as opposed to just moving it, allowing the pitte be sal	vaged, that it t
environmentally benign, and works the fastest. I believe that using a clumping a will prove to be the best method.	igent and then skimming
Methods/Materials O	
The methods that were tested in this experiment were the ones most commonly flushing, chemical dispersants/ clumping agents, skimming bioremediation, an	used. They were: burning,
materials used were: distilled water with sea salt added, low gravity crudy petro	d joint methods. Tht
pure alcohol, a large plastic container, a metal bucket, a metal skimmer petrole	um eating bacteria, a type
of paint stripping pad manufactured by 3M, 4 one gallon glass jars, measuring l	beakers, measuring spoons,
and syringes. Results	
The results overwhelming proved that skimming with a stripping pad material v	was by far the best method.
The results overwhelming proved that skimming with a stripping pad material was by far the best method. It removed approximately 98% of the oil leaving behind a near film on the top of the water. No water was	
taken out of the test area, only the oil, which was then transferred into a contain as it had originally been intended.	er where it could be used
Conclusions/Discussion	
Through this project I proved my hypothesis wrong but achieved my objective came across my best method, skinning with a stripping pad. I believe if the material stripping path.	when I most unexpectedly
came across my best method, skinning with a stropping pad. I believe if the ma today would try this environmentally benign skimming material when respondi	ajor oil spill companies
would be a much less tragic occurrence.	ng to a spin, that the spin
Summary Statement	
My project is about finding the most effective and enviornmentally benign method to clean up an oil spill.	
Help Received	
Dad got a peteroleum sample for me and took me shopping for other supplies.	Mom helped by
proofreading my written materials.	