

CALIFORNIA STATE SCIENCE FAIR 2005 PROJECT SUMMARY

Name(s)	Project Number	
Ella Almazan; Rea Anna Embrador	S1001	
	51301	
Project Title		
Horn Snails		
Abstract		
The objectives/Goals The objective of this project is to observe and determine if there is a re- snails in regards to the size distribution, as well as parasitic prevalence Location of the horn snail is predicted to be a factor of parasitic activit onto the grass, then parasitic activity is occurring within that snail. Another hypothesis tested in this project is the size frequencies in each initial observation, a lesser amount of snails seem to be encysted in the that wider size distributions will be present in the mud than in the grass	elationship between location of horn by. If the horn snails are attached h of the mud/grass location. By e grass. A proposed prediction is s.	
Field experiments were conducted in a mud flap located in Seal Beach with 4 ounce plastic jars, consisting of one grass and one mud collection established size of 1024 cubic centimeters were made and later taken be measured with Vernier calipers. Twelve snails were taken from those of forceps and placed in sea water-filled petri dishes and then observed up parasitic activity. Size in millimeters and parasitic activity were record activity was defined as the observation of larvae in the digestive tract, swimming Cercaria.	Collections (3 total collections, on in each) within a quadrat of an back to Dr. Pernet's lab to be collections to be cracked open with nder microscopes to observe led in this experiment. Parasitic and/or the observation of	
Results Analysis of the data shows that location does not exactly prove to be a activity. With the use of statistics, conclusions of the following were n that one will find between an average of 2.384 and 6.282 parasites in e the location affecting size distribution, analysis also proves to have no difference in distribution. On the other hand, both locations were high taken from a resource, which is also the established control variable.	significant factor of parasite nade. One can be 95% confident every grass trial conducted. As with significance. There was no major when compared to the average size	
Conclusions/Discussion In conclusion, overall results reject the proposed hypothesis and prove significantly affect its parasite prevalence or the size distribution of the	that location of the snail does not e quadrant population.	
Summary Statement		
in Cerithidea California, also known as Horn Snails.	istribution and parasitic prevalence	
Help Received	or the supervision of Dr. Drugs	
Used iab equipment at Camornia State University of Long Beach under	a me supervision of Dr. Druno	

Used lab equipment at California State University of Long Beach under the supervision of Dr. Bruno Pernet; Michael James Corpuz helped with statistical analyses; Mr. and Mrs. Embrador supplied transportation to mud flap; Mr. and Mrs. Almazan provided transportation to the lab and science fairs; Mr.