

CALIFORNIA STATE SCIENCE FAIR 2003 PROJECT SUMMARY

Name(s)	Project Number
Sanjit Datta	10005
	00303
Project Title	
Madrona Marsh Microbes	
Abstract	
D bjectives/Goals The objective of my project was to determine whether the sump, a Marsh Preserve had more bacteria than five other sites on the Prese	water collection area in Madrona
Vethods/Materials	
I collected samples and inoculated agar plates from each site at dilu The agar plates were inoculated by taking 1/10 of a milliliter of wat containers and transferring the water onto the agar plate. I spread the was sterilized between each inoculation. I later counted the individu	itions of neat, 1/10, 1/100, and 1/1000. ter from each of the sampling ne bacteria out using a glass rod that ual bacterial colonies in each agar
Results	
The sump had more bacteria than other sites on the Preserve. Howe number of bacteria at one site, probably an error due to cross-conta- the air. Nevertheless, the two sites in the sump had more bacteria th	ever, there was an uncommonly high mination from other samples or from han the other five sites.
My results suggest that the sump has more bacteria than the other simply hypothesis. My project was the first broad-scale sampling of the compared to others. However, my results agree with what Mr. Carr the sump	ites on the marsh, which coincides with e Preserve, so my data cannot be r, my mentor, thought was happening in
the sump.	
Summary Statement	Madrona Marsh Proserva have more
bacteria.	Iviaurona iviaisii Fieseive näve more
Help Received	
Conducted research and collected samples from Madrona Marsh Pr Robert Carr and Ms. Tracy Drake	reserve under the supervision of Mr.