



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> Dorsey R. Ek	<b>Project Number</b>  22163
<b>Project Title</b> What Is the Best Way to Eradicate the Water Primrose?	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> My goal in this project is to find the most effective way to kill the Water Primrose without harming the environment. I hope to help many lakes around the world that have been infected with this invasive plant. The elimination of the Water Primrose will benefit the natural ecology and wildlife of our lakes. It will also invite the use of recreational use such as fishing.</p> <p><b>Methods/Materials</b> The methods I used in this project were; I set up 4 squares labeled A, B, C, and D. Square A was my control and in square B I cut off all the stems above the water level. In square C I cut off all the stems above the water level and covered it with a black plastic bag. In square D I covered the plant with a black plastic bag. I took both the water and the air temperature. I counted all the stems above the water level. In squares B and C I measured the stems that came up past the water level. Last I measured the water depth.</p> <p><b>Results</b> My results were; square B worked the best at reducing the growth of the Water Primrose. None of the methods I used eradicated the Water Primrose but after revising my data and looking at many graphs I concluded that square B did the best. Square C nearly did as good of a job as square B but it wasn't close enough.</p> <p><b>Conclusions/Discussion</b> My conclusion is that square B worked the best but it might have had something to do with the weather. I did this project in winter and the Water Primrose does not like cold or moving water. If I were going to redo this project I would do it in summer when the Water Primrose is very mature. This information that I have discovered will be given to Mission Trails Regional Park to help in their research of this invasive plant.</p>	
<b>Summary Statement</b> My project is about trying to eradicate the Water Primrose and to restore our lakes to their natural condition.	
<b>Help Received</b> Ranger Barrett gave me permission to do the project at Mission Trails Regional Park. My mother also drove me to the lake for 7 weeks in order for me to do this project.	