CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY

Name(s)
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Project Number
S0812

Project Title
The Effects of Water on a Hillside

Abstract

Objectives/Goals
My project is to determine which plants would prevent erosion on hillsides the best.

Methods/Materials
The materials consist of dirt, wild grasses, ice plant, two curved pipes, two plastic containing bins, Artificial Rain system built of PVC, hose and water. After I planted the plants on the hillside I used my artificail rain system to rain on each side for equal amounts of time. Then measured the soil that was eroded.

Results
After the five minute trials were done the Wild Grass prevented the most erosion and on the ten minute trials the Wild Grass once agian prevented the most erosion.

Conclusions/Discussion
After all of my trials were done the wild grass prevented the most erosion, but the only place were erosion took place was were the roots had not grown yet. But I think that if I were alowed more time and had it been spring I think that the results would have been different. Also if the plants were full grown I think that would not have been very much erosion at all.

Summary Statement
To find out what kind of plants would best prevent erosion on hillsides.

Help Received
Mother and Father helped with financial support.