CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY

Name(s)
Ryan P. Durazo

Project Number
J0803

Project Title
Levee Erosion

Abstract

Objectives/Goals
Which commonly used materials work best?

Methods/Materials
Materials: Soil made of at least 30% clay, 1 square foot of mesh, Mondo Grass, Shovel or Spade, Metric ruler, 4 12" 6" cm alminum plates, Water, Room with little temperature change, and 6 plastic containers.
Procedure: 1. Build Levees 2. Pour in water 3. Test for Erosion 4. Test ever day for ten days.

Results
The steel levees had an average erosion of 2.7 centimeters. The mesh levees had an average erosion of 1.53 centimeters. Finally the average of the Mondo Grass levees' erosion was 1.2 centimeters

Conclusions/Discussion
The steel levees had the most ersion. The mesh levees had moderate erosion. Finally, the Mondo Grass levees had the least erosion. My hypothesis was correct.

Summary Statement
My project is about testing materials that are commonly used in levees and seeing which one holds the levee together best.

Help Received
My dad helped me build the levees and my mom helped me make the board.