

Shannon Bland
Stop That Flood, Part 2

Stop That Flood Part 2 is the name of my science fair project. This project is about the study of how different modified levees keep the most water from being released. My hypothesis was that if a T-Wall levee is used, then it will hold back the most water. I made a levee out of sand that was 27 cm at the bottom, 13 cm at the top, 4 cm high and it was trapezoid shape. Then I let 1500 ml of water sit on the highest side of the levee for 5 minutes. After the five minutes I added another 1000 ml of water, I took the amount of water that had gone into the bucket. I measured it in a graduated cylinder. I found out that the poly-styrofoam bricks held the water back the best. It had an average of 17.5 ml released. The second best was the cylinders. They had an average of 85 ml released. The third best was the T-Wall levee with an average of 550 ml. Last of all my control or my non-modified main-line levee had an average of 1084 ml released. My data did not support my hypothesis because the poly-styrofoam bricks held the water back better than the T-Wall. The results of this experiment showed me that poly-styrofoam bricks held back the most water. People should be interested in my experiment because this project might just help a town or city from getting flooded in the future.