

Shannon Bland
Stop That Flood!!

Stop that Flood is the name of my science fair project. This project is about the study of what size of particles are used in sandbags to stop water passage better. My hypothesis was that the medium sand/fine sand mix was going to hold back the most water. I filled ten bags with four different sizes of sediment. I set up a stream table and built a dike out of ten bags. I timed how long it took 2000 ml of water to pass from side of the dike to the other. I found out that the fine sand held back the water with a 110.4 second average. The medium sand was a close second with a 110.2 second average. My data didn't support my hypothesis because the mixture of the fine and medium sand didn't hold back the water slower. The results of this experiment showed me that the fine sand is the best of the four sand sizes that I tested. People should be interested in my experiment because in the future this project might help a town during a flood situation.