

Abstract

This study is related to fresh water becoming a big issue in our world today. Having fresh water is important because people all around the U.S. struggle with having access to clean drinking water. Previous studies have shown 2 million people in America don't have access to clean drinking water in other words 0.6% of the American population. The objective of this study was to create a better water system for people who need clean water. My hypothesis/research objective was that the clay-rich soil will work the best and will hold the most fresh water for the longest amount of time. This was researched by using a water moisture sensor that we created to see which of the four soils, silt soil, clay soil, and sand soil will conserve the most fresh water. Our data suggests that the clay soil is holding the most fresh water for the longest.