

Abrah Masterson  
*Quality Runoff*

In my experiment I tested different properties of three separate water sources in the Troublesome area to determine if runoff in that area affected the water sources negatively or positively. Overall, I wanted to calculate the approximate impact runoff had on the water sources, how large the impact was, how that affected the ecosystem of the area, if the impact of runoff was great enough to determine the water source's quality, and what in the runoff may have affected the water sources. The natural chemicals in water are the variables that determine the water's quality. These materials will naturally increase and decrease throughout a year; however, I wanted to conclude by how much the water sources were affected. The materials I tested for included; Ammonia Nitrogen, pH, Chlorine, Copper, Cyanide, Chromium, Nitrate Nitrogen, Phosphorous, Sulfide, Silica, and Dissolved Oxygen (DO).