

WIU CENTENNIAL HONORS COLLEGE
Thomas E. Helm Undergraduate Research Day 2022

Abstract

Poster

Major Public Health

Faculty Mentor: Mei Wen

A Look into The Best Practices Against Contamination

Tessie Morton

Water contamination is associated with numerous causes of cancer and other illnesses as shown by the issues that arose from the worst contamination in US history at Camp Lejeune, NC. The government may not have sufficient attention and intervention on the issue. Recently I have been doing a lot of research on water contamination on military bases in the United States.

This past December, Joint Base Pearl Harbor-Hickam was notified of a petroleum leak that went into the drinking water on the base. This issue has become a major problem for the Department of Defense. This study is to search for the best practices for water management, conservation, and testing to avoid similar issues continuing to happen on military bases. We will search by using the key terms on the internet and the published journals and put the results in an excel table. The results will be compared and sorted out. We expect the best practices can provide some insights for preventing and treating water contamination and reducing the harm to society.