

# SAN JUAN NM REGIONAL SCIENCE & ENGINEERING FAIR

## JUNIOR AND SENIOR DIVISION ABSTRACT & CERTIFICATION

**TITLE:** Lingering Acid Chemical Toxicity in the Animas, San Juan and

**Name:** Mya Benally

**School:** Navajo Preparatory School

**Grade Level:** 12th

**Type the Body of Your Abstract Here (250 Word Maximum)**

The 2015 Gold King Spill was revisited along the Animas, San Juan, and Durango Rivers. This study focused on pH and Molarities. The results of this study showed that the concentration/molarity and pH of the three river water samples were very low whether using titration with a strong base or a strong acid. This indicates that the three river water samples are very acidic and highly concentrated with acid. This indicated that the gold King mine spill in 2015 continues to affect the leaching of acids into the Animas, San Juan, and Durango rivers.

1. The student independently performed all procedures as outlined in this abstract  Yes  No
2. This project is a continuation.  Yes  No
3. This project is being presented at  SJRSEF  NMJAS Paper Competition

**I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.**

Student's Signature



01-25-22

Date

