



Colorado Science and Engineering Fair

2024 Individual Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: Toxic Tributaries

Finalist's Name: Colter Dennison

School and City: Mancos Middle School, Mancos Co

Sponsor's Name: Sensa Wolcott

Category: Earth & Environmental Sciences (EAEV)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

Which tributary has the most effect on the soil it is irrigated with? Based on my research I believe the east tributary will have the most contaminants because of the fact it has several mines that have tailings feeding and no reservoir to sit in so the materials can sift out. We went to several locations and dug a hole, collected the dirt from the locations and took another sample from the same field 1 acre away. For the most part my hypothesis was supported because for example the east for arsenic has 6 parts per million and all others have very little or none. I think that it tells you that the east tributary of the Mancos river is something to be worried about and is a much more dangerous thing than the rest.

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.

Finalist's Signature: 

Date: 2-27-24

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with you Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.