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Water Quality Based On Aquatic Animals

In order to better determine the water quality of streams and rivers in Colorado, I created a program to measure the pollution based on what aquatic animals appear in the water. Input the number of each animal listed, and the program will show you a pie-graph for how many of each type of animal there are. The groups of animals in the graph are intolerant, moderately intolerant, fairly tolerant, and very tolerant. The information I have came from a 9th grade biology class that took a field trip to the Poudre Learning Center in the 2007-2008 school year, from the Poudre River. The information is then typed in when the program prompts for it and the graph is given. The program also displays the information in percents, since graphs aren't very accurate. It will then tell you the pollution tolerance index rating of that river. I found that the tolerance was fair to good for the Poudre River where it was tested at the Poudre Learning Center, although it could be better if it were farther away from large companies and cities. This will help inform people of how much we are destroying our river environment and might encourage companies to limit even more the amount of damaging chemicals and objects that are put anywhere near the river.