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Environmental Impact of the Yellowstone Supervolcano

Volcanoes, one of nature's deadliest forces, can transform into supervolcanoes, which have the potential for massive destruction on a global scale. In this study, we review secondary data to define what a supervolcano is, how they form, and determine the possible effects of an eruption. Specifically, we examine the Yellowstone supervolcano, located in Yellowstone National Park, and compare it to past supervolcanoes and their eruptions. Based on the size of the Yellowstone supervolcano, our analysis shows the immediate impact of a future eruption would kill thousands of people and alter the current climate with devastating effects on Earth's biosphere. Ultimately, this study highlights the urgent need for detailed primary research that can provide a solution to this potential catastrophe, as there is no solution currently.