

Team Number:

School Name: YWIC

Area of Science: Environmental Science- Environmental Alteration

Project Title: Modeling the effects of climate change on the Rio Grande

Living in New Mexico, the Rio Grande is one of our main sources of water. Unfortunately, it's also one of the top ten most endangered rivers in the world, exhausted from overuse. We rely on the river as a primary source of water for irrigation, drinking water, and municipal use. The advent of climate change will drastically impact the health of our river and all those people and ecosystems that depend on it - the question is, how? The effects of climate change are wide-reaching and extensively modeled. We plan to use existing precipitation models as priors to inform a projective model of Rio Grande health and stream flow over the next 50 years

What will be the effects of climate change on our river, especially as population increases, and more businesses, people, and farmers need water. How will current water use patterns adjust for these effects? In our project, we hope to study these effects, and by so doing, find realistic ways to increase the sustainability of our actions; ensuring water for future generations.

Team Members

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Sponsoring Teacher(s)

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Project Mentor(s)

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