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## Response to Your Invitation to Comment on the Colorado River Problems

1 message

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**Frederic Wagner**

Mon, Mar 4, 2013 at 11:13 AM

To: Steve Martin <ColoradoRiverBasinStudy@usbr.gov>

You may or may know about an on-line article (<http://www.ideo.columbia.edu/res/div/ocp/drought/science.shtml>) by Richard Seager at the Lamont-Doherty Earth Observatory at Columbia U. Seager comments on projections of 19 climate models that project declining precipitation in southwestern U.S., all of Mexico, and Central America. The east-west line separating the drying southwestern U.S. and moistening northwest ran across the middle of Utah. To test whether this was already occurring, we analyzed annual precipitation trends, based on all weather stations in the state, for the 20th century. Annual precipitation declined 9 percent, on average, in the southern half of the state, part of the watershed for the Colorado. The northern half of the state essentially did not change.

Fred Wagner

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