

Interactive comment on “Quantitative contribution of climate change and human activities to runoff changes in the Wei River basin, China” by C. S. Zhan et al.

Anonymous Referee #2

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Equation (12) is flawed: $P = \text{Robs} + \text{RH} + \text{E}$. For example, human activities such as water withdrawal from natural streamflow may be used for irrigation which contributes to E. In equation (12), RH is counted twice. That's the reason why the human contribution (71%~78%) is overestimated compared with the elasticity method.

Line 14 on page 2158: For consistency, Change “R” to “Q” or Change “Q” to “R”.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 11, 2149, 2014.

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