

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: $P = R_{obs} + RH + E$. 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.