

Interactive comment on “Why is the Arkavathy River drying? A multiple hypothesis approach in a data scarce region” by V. Srinivasan et al.

V. Srinivasan et al.

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Reviewer Comment - This paper evaluated potential climate and anthropogenic factors contributing the declining inflow to the Arkavathy River in India, where the data is scarce.... The conclusion (i.e., declining discharge is mainly due to groundwater depletion and eucalyptus plantation) is solid to me. I enjoyed reading the paper.

Author response - Thank you for your positive comments.

Reviewer Comment - My only major suggestion is that the paper can be shortened, for example, Section 1 and Section 2.3. Sections 2.4 and 3.2 may be combined.

Author response - We will do this. Reviewer 1 has also made a similar suggestion and

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we will shorten the paper accordingly.

Reviewer Minor comment. Line 15 on page 19: “basin undergoing” Section 1.1.2 Data sparseness: The data sparseness has two aspects: hydroclimatic data and human intervene data. Human intervention data (e.g., spatially distributed water withdrawal and return flow from agriculture) may be more limited than hydroclimatic data.

Author Response - Thank you this will be clarified. In addition the reviewer has suggested a number of specific edits and pointed out some typos. These will be addressed. We will address these individually when resubmitting after the changes to the structure have been made as this will involve rewriting parts of the paper.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 12, 25, 2015.