# Response to last set of comments against HESS-2014-96

Referee #1 comment

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| Comment | Action taken |
| L3. Change to 'provides' | Done |
| I would change the title of Section 3 to 'Model Description and Setup' | Done |
| L194-195 needs re-writing | As such the emphasis of this research is on changes in total flow in or out the model, rather than in changes of the timing of flow |
| L231 -232 needs re-writing | They provide a relative ranking of the influence of the input variable $Inflow$ on the various output variables. |
| L279 - 'how this affects the multiple values the river provides' - I am not sure what multiple values means in this context. Needs re-writing. | affects the economic, environmental and sociological functions of the river |
| L297 add of - 'discuss the importance of interacting ...' | Done |

Referee #2

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| Comment | | Action taken |
| P1, L3: Add an "s" to "provide". | Done | |
| P1, L4: "a better understanding" instead of "an better understanding". | Done | |
| P1, L8: I would add "effects" after "main". | Done | |
| P2, L27: I would suggest to use plural instead of singular for "a parameter boundary condition or driving force" | Done | |
| P2, L42: Add "variation of the" before "tested". | Done | |
| P4, L101: What would be the difference between "random sampling" or a "Monte Carlo simulation"? | Added ‘Markov Chain’ | |
| P5, L135: I would also add that the simplified model is already sufficient to show the possibilities of the SA (since you are mostly focussing on the SA). | Added ‘, which is more than sufficient to illustrate the sensitivity analysis methodology’ | |
| P6, L150: This sentence is long and needs some reformulation. | Splitted sentence: ‘Daily timeseries of rainfall and evaporation from 1895 to 2006 are obtained from SILO (http://www.longpaddock.qld.gov.au/silo/) for sites representative of each of the three reaches. These timeseries are used to simulate inflow from tributaries and compute irrigation demand.’ | |