Dear Editor,

Thank you for your suggested improvements we have incorporated them with one exception (as explained below). The editor's suggestions are colored in grey, while our response is colored in black.

1) The "equations" in section 3.2. should either be marked as equations or probably the better solution, the slope, intercept, R2, p-value and n should be listed in a table.

Thank You for this suggestion. We listed the equations, R2, pvalue and the sampling number n in a new Table (now Table 1). Small modifications had to be done to the text.

2) provide a legend for Figure 3 - solid and open circles. It is also not completely clear when there are missing data or zero values - maybe a solid line for streamflow with interruptions for period of no data would be more helpful.

Thank You for pointing this out. We revised the figure and added the legend. Adding a solid line for streamflow showed to be not due to the log-scale. We think that the closed circle stay the better choice for visualizing the data. Missing data is indicated when there are no closed circle at all, e.g. the year 2009 for streams B and C.

3) Figure 4 is quite difficult to see - maybe arranging the plots in a 2x2 set-up would be better...

Thank You for this suggestion, the revised version of figure 4 is indeed way more clear compared to the previous version.

4) I think it would be helpful to show the streamflow for this event in Figure 6 for the 3 watersheds as well.
I think here is some confusion, this figure presents the long term isotopic samples (2010-2012), we modified the x-axis to account for that. Nevertheless, we think it is good suggestion to see the dynamics together with the streamflow. We limited the shown streamflow time series to the R stream, since it is the longest measured time series with similar dynamic to B and C.

5) Explain the grey area around the stream in Figure 8.
We added the explanation in the revised figure ("Riparian Zone").

Best regards on behalf of all co-authors

Julian Klaus