

## ***Interactive comment on “Impacts of drought on the quality of surface water of the basin” by B. B. Huang et al.***

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Dear editor and reviewer, Thank you very much for your quickly respond. Your carefully working attitude impressed me deeply. The advices are very good and professional, some advices make important role in our further research. According with your advices, we amended the relevant part in manuscript. Some of your questions were replied below. 1. Longer the rainfall duration, the more runoff is. The nitrate nitrogen will flow with the runoff. So, the nitrate nitrogen is more significantly affected by the rainfall duration. 2. In figure 4, the scale of NH<sub>3</sub>-N, NO-N and BOD<sub>5</sub> is different with the COD, so we showed the date by different y-axes. 3. We added the statement of the variation of BOD<sub>5</sub>. Higher temperature will enhance the self-purification of BOD<sub>5</sub>. Meanwhile,

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due to the reduction of runoffs during drought, they two offset each other. The density variation of BOD5 is not significant. We will consult you some questions in our later research, that will improve scientific research level in our research team. I'm sorry about it will take you a lot of time. Should you have any questions, please contact us without hesitate. At last, thank you very much for your carefully work. With best wishes, Binbin Huang

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Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 10, 14463, 2013.

**HESD**

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