

***Interactive comment on* “Sedimentation in the Three Gorges Dam and its impact on the sediment flux from the Changjiang (Yangtze River), China” by B. Q. Hu et al.**

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The authors are grateful to the anonymous Referee #2 for his kindly suggestions and comments.

The authors provide some important and new findings of the Three Gorges Dam. On the whole, this paper is well prepared, but it has some fundamental deficiencies. From the title we find that two key issues should be addressed in this paper, one is “Sedimentation in the Three Gorges Dam”, the other is “impact on the sediment flux from the Changjiang”. The authors give significant attention to the first issue but attach little

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importance to the second issue. So the title of this paper should be changed in order to match its contents. Otherwise, more discussions on the responses of the lower reaches and the impacts on the sediment flux should be added, by taking the possible impact factors such as reduction of the sedimentation of the linked lakes, channel erosion/accretion, sand dredging, water diversion, etc, into account.

Author Response: Thank you for your comments! According to your suggestions, the title was changed to “Sedimentation in the Three Gorges Dam and the future trend of the Changjiang (Yangtze River) sediment flux”. Furthermore, the structure of the manuscript has been reorganized; the Results and Discussion were separated to distinguish own results from the results of the referenced articles. In particular, more discussion about the stepwise reduction phases of the Changjiang sediment flux was added in the section 5.2 in the Discussion.

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