

Interactive comment on “Ecological adaptation as an important factor in environmental flow assessments based on an integrated multi-objective method” by T. Sun et al.

Anonymous Referee #1

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General comments: The paper made a good perspective on the evaluation of environmental flows assessment by using an integrated multi-objective method. The methods and ideas in this paper showed great innovation and values to environmental flows research and sustainable water resources management. Meantime, the manuscript needs a little improvement in some issues before it is accepted for publication.

Specific comments: 1)At line 24-27 of page 10: “When all of the studied species are considered, 25% and 112% of the average 25 annual river discharge were defined as the environmental flow boundaries, which were set according to the minimum require-

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ments of the Crab and maximum requirements of the Jellyfish. ” On what grounds should environmental flow boundaries be defined by minimum requirements of the Crab and maximum requirements of the Jellyfish?

Technical corrections: 1)The writing of For instance, at the first sentence of part 2.1 Consideration of a typical representative species: “Our a priori hypothesis for this evaluation was that...” should be altered with “Our one priori hypothesis for this evaluation was that...”. 2)At line 18 of page 13: “A favourable adaptable relationship was established...”, in which “favourable” should be altered with “favourably”, if I am right.

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