

## ***Interactive comment on “A new stream and nested catchment framework for Australia” by J. L. Stein et al.***

**J. L. Stein et al.**

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We thank Reviewer #2 for the helpful comments and suggestions. As they observed, we have developed a new and more accurate national hierarchical stream and catchment dataset for Australia that will be of interest both within Australia and to those interested in developing similar datasets in other parts of the world. Reviewer #2 states that the only real limit of this paper is the comparison with other available datasets and recommends including a case study for a particular basin comparing our new database with previously available datasets at the national and global scale. This is a good suggestion. We agree and will include a figure and a table of comparative statistics summarizing the new dataset and the best of the previously available national and global

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datasets to illustrate the differences. This figure and table could be referred to after the first paragraph in the Discussion (Section 4.1). Summary statistics, compiled nationally and for a selected river basin, might include total stream lengths, numbers and areas of basins (internally and externally draining), and numbers and average area of the finest sub-catchments. We could also discuss the additional features and attribution that our database supplies including stream and basin names, internal sinks, distributaries and multi-scale environmental descriptors.

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