

Minor language changes:

I have done a few minor language changes in the production files in comparison to the review version of the paper. These were mainly to fix typos and small grammatical errors.

I have added a sentence in the end of the 2<sup>nd</sup> paragraph of section 4.1 (in italics, quote longer for context) for clarification: “Second, at high cover values, neighbouring bars start to overlap and the relationship to cover likely becomes more complicated. *For a fully covered bed, bar dynamics should resemble those in alluvial channels.*”