

Dear Dr. Beaud,

In addition to the reviews received, I have the following editorial comments which I would like you to consider in your upcoming response:

1. Page 858, line 6: please name k_{ex} the “exchange coefficient” (cf. table 1).
2. Page 859, line 5: mention of Table 3 is out of order.
3. Page 861, lines 1-22: wouldn't it make sense to refer to Table 2 in this section 2.2.2?
4. Page 861, line 17: insert “approach” (or equivalent?) before “0”.
5. Page 862, lines 25-27: Please rearrange this sentence so it matches the order of appearance in the supplementary material (or vice versa).
6. Page 863, line 19: Explanations for STP and WDG first appear on page 866, lines 6-7.
7. Page 866, line 27: I believe reference to Fig. 3c should be to Fig. 3d?
8. Page 867, line 7-8: please add “the” before “transport” (two occurrences).
9. Page 867, line 9: De-capitalize 3C to 3c.
10. Page 867, line 18: It is unclear to me why a value of q_s is known to the second decimal place when 10^{-4} and not when 10^{-2} ?
11. Page 867, line 20: Is the reference to Fig. 3 correct here?
12. Page 868, line 6: Add reference to “(Fig. 4)” after TLEM?
13. Page 871, line 1: De-capitalize 6A to 6a.
14. Page 872, lines 4-7: The section starts with a conclusion from literature which seems in contradiction to the modelling results presented in the same section. I don't think the authors return to this issue later-on. It would be prudent to do this.
15. Page 872, lines 9-12: Repeat of “T_1300...”. Remove its first mention, and add “, Table 4” to the second instance on line 11.
16. Page 873, line 26: I think the authors want to use “cf.”, (compare), and not “c.f.” carried forward?
17. Page 877, line 10: Exchange “sheer” for “shear”.
18. Page 879, line 5: Exchange “suggest” for “indicate”.
19. Page 879, line 18: Exchange “mm in one year” for “mm a⁻¹”.
20. Page 879, line 21: Remove “s” from “channels”.
21. Page 882, line 2: Perhaps refer to some more historical sources than merely “Burke et al., 2012”.
22. Page 892: Make sure the values and units are the same as in Table S1. For example, there is a difference for “numerical compressibility” which has units in the one but not the other.
23. Page 894: Add reference to “(Table 2)” at the very end of the Table header.
24. Page 895: Add reference to “(Table 2)” after the second sentence of the Table header.
25. Page 896: Remove “IS” in front of “700” and “1300” in the figure legend.
26. Page 897: Panel B, add a “space” in-between “10²” and “Pa” on the y-axis.
27. Page 897: Panel C, This should be “x10⁻²” and not 10⁻²x (cf. Panel B)?
28. Page 897: Panel D, This should be “x10⁴” and not 10⁴x (cf. Panel B)?
29. Page 900: Panel A, I wonder if light-grey in the panel and on the y-axis will be legible?
30. Page 900: Panel C, left-hand y-axis should state “Erosion rate” and right-hand y-axis “Total Erosion”. Move “@50 km” inside the panel.
31. Page 901: Panels A, C, I wonder if light-grey in the panels and on the y-axes will be legible?
32. Page 901: Figure caption line 2, add “27.5” in-between 20 and 35.
33. Page 905: Remove “, dashed lines” and “, full lines” from the caption. Also the qualification “because the bed is alleviated...” only occurs in this caption. Would it not be sensible to have that qualification also in other figure captions where the profile is shown from km 20?
34. Page 906: Perhaps mention straight-off that these panels show annual values?. This is only mentioned for panel B but is equally true for all panels. Also, refer to the terminus when “the last grid node” is mentioned. This is also done in ms page 977:19.

Arjen Stroeven, 2015-11-17