

Earth Surf. Dynam. Discuss., author comment AC1  
<https://doi.org/10.5194/esurf-2021-77-AC1>, 2022  
© Author(s) 2022. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## **Reply on RC1**

Pascal Allemand et al.

---

Author comment on "Entrainment and deposition of boulders in a gravel bed river" by  
Pascal Allemand et al., Earth Surf. Dynam. Discuss.,  
<https://doi.org/10.5194/esurf-2021-77-AC1>, 2022

---

## **Reply to the comments of Reviewer #1:**

We thank you for your constructive comment: they helped us to clarify the manuscript and focus on the main message. Our objective is indeed to show that the export of boulders on a river bank is compatible with a time exponential decrease model. The answers to your comments are in the attached supplement.

Please also note the supplement to this comment:

<https://esurf.copernicus.org/preprints/esurf-2021-77/esurf-2021-77-AC1-supplement.pdf>