

Linking levee-building processes with channel avulsion: Geomorphic analysis for assessing avulsion frequency and channel reoccupation

JeongYeon Han¹ and Wonsuck Kim¹

¹Department of Earth System Sciences, Yonsei University, Seoul, 03722, Republic of Korea

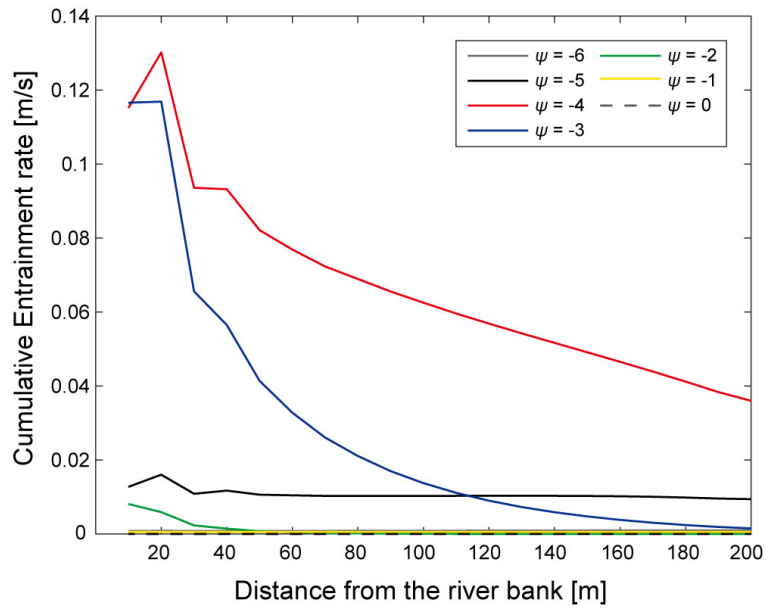
Correspondence to: Wonsuck Kim (delta@yonsei.ac.kr)

This file contains supplementary figures describing:

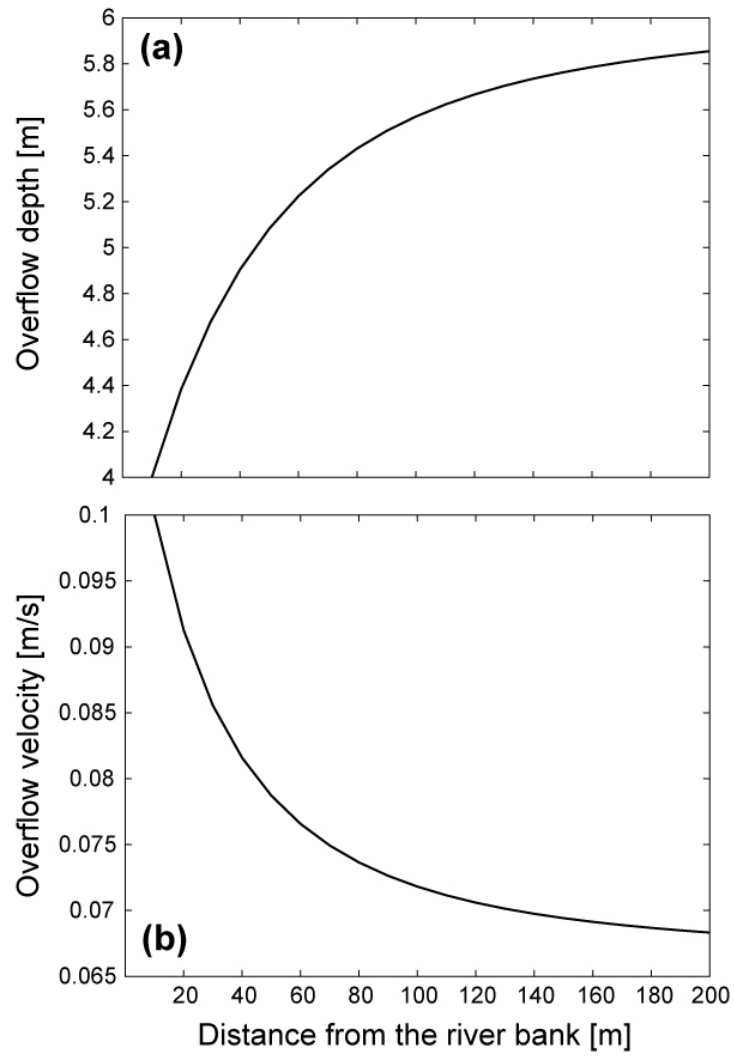
Figure S1. The cumulative entrainment rate (E) of each grain size across the levee deposit for Test 2.

Figure S2. The profiles of (a) overflow depth and (b) overflow velocity across the distance from the river bank for Test 3.

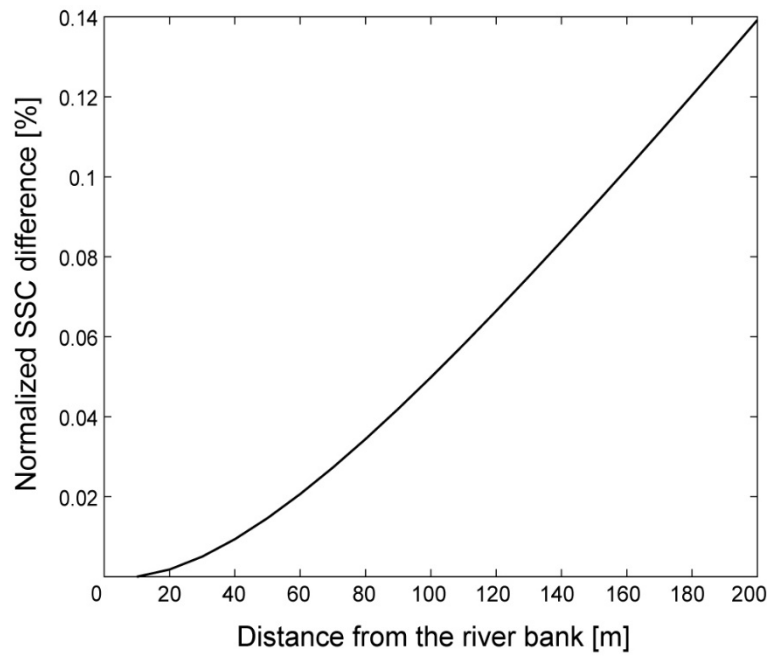
Figure S3. The normalized ratio of differences in total suspended sediment concentration (SSC) of all grain sizes between Tests 1 and 3 ($\left| \frac{\text{total } SSC_1 - \text{total } SSC_3}{\text{total } SSC_1} \right|$).



Supplementary Figure 1. The cumulative Entrainment rate (E) of each grain size across the levee deposit for Test 2.



Supplementary Figure 2. The profiles of (a) overflow depth and (b) overflow velocity across the distance from the river bank for Test 3.



Supplementary Figure 3. The normalized ratio of differences in total suspended sediment concentration (SSC) of all grain sizes between Tests 1 and 3 ($\left(\frac{total\ SSC_1 - total\ SSC_3}{total\ SSC_1}\right)$).