

Interactive comment on “On the potential for regolith control of fluvial terrace formation in semi-arid escarpments” by K. P. Norton et al.

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We would like to begin by thanking the referee for the comments. The comments have improved the quality of the manuscript. Please see the revised uploaded manuscript including tracked changes.

In response to the referee's comments, we have:

- 1) included an expanded explanation of the soil model (pg 4 lines 13-22).
- 2) added a discussion of how the model set up limits our predictive ability (pg 8/9 from line 21).

We added the reference for the precipitation rates to the Figure 1 caption. The Pisco

C497

River is labeled in the legend.

We noted the location of the knickzone in Figure 2a

We reformatted Figure 3 for clarity. The broad location of the terraces is now shown as an inset on the long profile.

Figure 4 has been reformatted and annotated.

We have revised the caption for figure 6.

The figures in the old figure 7 have been moved to the conceptual diagram for clarity.

Please also note the supplement to this comment:

<http://www.earth-surf-dynam-discuss.net/3/C497/2015/esurfd-3-C497-2015-supplement.pdf>

Interactive comment on Earth Surf. Dynam. Discuss., 3, 715, 2015.