

Interactive comment on “Geomorphic signatures of the transient fluvial response to tilting” by Helen W. Beeson and Scott W. McCoy

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I've added another Eocene-Oligocene deposit elevation to the authors' S FK American River figure. This shows that, near the black arrow on the authors' figure, maximum incision depths in this area since the Eocene-Oligocene cannot exceed ~225 m. The elevation for this comes from mining tunnel data presented in Lindgren (1911) - it can be found on page 180. Note, these data suggest a possible avulsion event; however, the important point to recognize is that the S Fk American River was already within 225 m of its modern depth 40 Ma. Moreover, once these old and deep deposits are recognized, it is difficult to see how recent tilt information can be extracted from the inset graph.

C1

Interactive comment on Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2019-24>,
2019.

C2

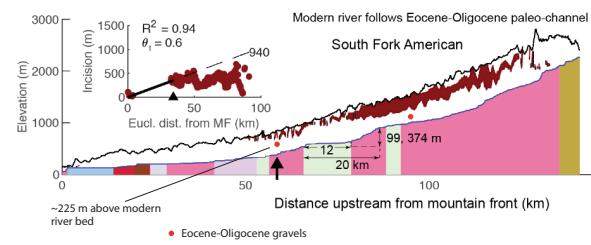


Fig. 1.

C3