



Interactive
Comment

Interactive comment on “Representing hydrodynamically-important blocking features in coastal or riverine lidar topography” by B. R. Hodges

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Matt, Thank you for your effort and time. I plan to incorporate answers/fixes to all your specific comments in the next revision.

You raise a very good point about the test case size and sensitivity to parameters. As you can imagine, introducing a new technique for approximating the landscape provides an almost infinite variety of possible behaviors over different types of terrain. So providing a truly comprehensive sensitivity analysis for all possible cases would be vast undertaking; however, I agree that some sensitivity analysis is needed and will be

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included in the revised version.

A major problem with presenting larger areas (which we have done the modeling, but not presented), is that it is difficult to visualize a fine grid and edges over large areas. This was my original motivation for showing only a small section of the river delta. I will look at ways to show a larger result within the paper.

I think your major points really cross over with an issue that Paul Bates pointed out in an email communication to me: there should be some form of quantitative metric to evaluate and compare the performance of different settings. I'm working on some ideas for this, and will include along with some sensitivity analysis in the revision.

Thanks you again for your help. Ben

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 1427, 2015.

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