

Interactive comment on “Assessing the influence of an extended hurricane season on inland flooding potential in the Southeast United States” by Monica H. Stone and Sagy Cohen

Anonymous Referee #2

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This premise of this study is simple, yet in its simplicity it answers a fundamental and important question. The methodology is well written and easy to understand which allows the reader to fully engage and understand the reasoning on how and why this important science question posed can be answered.

Yet, there are a few minor tweaks that could really help this paper. Like the first reviewer, I think the writing could be more succinct, especially in the introduction section. For example, paragraphs 5 and 6 in this section could be merged to avoid some repeating. More details can be found in the marked up pdf.

I would like to see further justification for the selection of the study sites and/or examples of flood events and their characteristics. For example, when was the last large

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flood in each basin and was it associated with a tropical cyclone? This will particular help the reader not familiar with the basins in question. This could be in a simple table to aid readability.

In the discussion section you have outlined some limitations, but I think you could add that the intensity of the storms could be lower in May and December than the average statistic used. This could mean that the expected increase could be less as well as greater to what you have presented in the paper. I believe in the further study these issues will be addressed but I think this limitation should at least be mentioned here.

Lastly, a brief discussion about the uncertainty associated with the DFO satellite river discharge measurement sites needs to be included.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2016-320/nhess-2016-320-RC3-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-320, 2016.

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