

## Referee #1 – Hamed Moftakhari

**Received:** 03 July 2019

**Recommendation:** Accept subject to minor revisions

### Summary:

“Authors have done a great job in this revision. The manuscript should be ready for publication after some minor reference corrections:”

Response: We thank the reviewer for the kind words in terms of the revision. We hope that with the corrected references, this paper is ready for publication.

### Minor Comments:

1) “Page 2, Line 32: It should be "Moftakhari et al., 2015; 2017", while the appropriate citation is already provided in the reference list.”

Response: We agree with the reviewer that the Moftakhari et al., 2015,2017 articles relating to “nuisance flooding” belong together. This said, we feel that these references are better placed at page 2, line 32-33. Judging from the reviewer’s 2<sup>nd</sup> comment, we feel that the reviewer would most likely be in agreement.

2) “Page 2, Line 23: In the sentence about "Compound Events" the authors meant to cite the following publication that is missed in the reference list:

- Moftakhari, H. R., G. Salvadori, A. AghaKouchak, B. F. Sanders, and R. A. Matthew (2017), Compounding Effects of Sea Level Rise and Fluvial Flooding, Proceedings of the National Academy of Sciences, 114 (37), 9785-9790, DOI: 10.1073/pnas.1620325114.

The following citation would be appropriate here as well:

- Moftakhari, H. R., Schubert, J., AghaKouchak, A., Matthew, R. A., & Sanders, B. F. (2019). Linking Statistical and Hydrodynamic Modeling for Compound Flood Hazard Assessment in Tidal Channels and Estuaries. Advances in Water Resources, <https://doi.org/10.1016/j.advwatres.2019.04.009>.”

Response: We thank the reviewer for pointing out this error. As the reviewer correctly deduced, we intend to cite the mentioned Moftakhari et al., 2017 (*Compounding Effects of Sea Level Rise and Fluvial Flooding*) at this point and the Moftakhari et al., 2017 article (*Cumulative hazard: The case of nuisance flooding*) later at page 2, line 32-33. We have revised the manuscript with these corrected references (as well as added the missed reference to the reference list).

We also would like to thank the reviewer for pointing us to the additional article and have added this relevant reference to the paper. This is also a very exciting research direction that we have

similarly been pursuing. An additional thanks to the reviewer for showing us this recently released work!