

The need for future updating of Australian Rainfall and Runoff

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Abstract:

Australian Rainfall and Runoff is the national guidance document on design flood estimation. The project has recently completed a major revision spanning over 7 years with over \$20million in funding both from the Federal Government and in-kind support by Engineers Australia members. The current update of Australian Rainfall and Runoff is the first update to the document in over 25 years. One reason for the lack of a comprehensive update is that the previous edition did not highlight the uncertainties and deficiencies in the methodology or set a path for future research. This paper outlines the need and plan for the regular updating of Australian Rainfall and Runoff. Also included is sets the direction for future research in flood estimation.

The complexity of the task means that it should not be left for such a long time in the future, rather the document should be progressively updated. Good methods should be identified, tested and rolled out nationally when suitable using a national model and not the state boundary based. The data sets developed as part of this update should be enhanced and used for future improvements.

Keywords: ARR, update, flood estimation

Due to production deadlines, this paper is currently unavailable.

The paper will become available on the local paper server and one the ARR website (<http://www.arr.org.au/>) at a later date