

Testing the incorporation of at site data with the RFFE Model 2015

M Retallick ¹, M Adam ¹, W Weeks ² M Babister ^{1,3} and J Ball³

¹ WMAwater, Sydney

² Private Consultant, Brisbane

³ UTS, Sydney

Abstract:

As part of the update of Australian Rainfall and Runoff the region flood method has been updated (ARR revision project 5). The Regional Flood Frequency Estimation Method (ARR Project 5) allows for incorporation of limited at site data with the RFFE using the Bayesian flood frequency method (FLIKE). As part of the ARR test catchments program a number of New South Wales gauges were selected for testing with the Project 5 Method. All sites had a continuous data record. At site flood frequency analysis was undertaken on the record. The RFFE estimates for the catchment were combined with 5 and 10 years of at-site data to see if the estimate improves. This paper documents the testing methodology and the outcomes of the testing.

Keywords: *ARR, Regional flood frequency*

Due to production deadlines, this paper is currently unavailable.

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