

Appendix A

Independent hydrologist model review records



Chris Davis
Pacific Complete

115018/L170214

17 February 2017

Attention: Mr C Davis

Dear Chris,

Re: Status Update

WMA Water were engaged by Roads and Maritime Services to undertake the independent verifier role for the Woolgoolga to Ballina Pacific Highway Upgrade. As part of this role we have reviewed a number of aspects of the hydrology and hydraulic modelling. We have also met with concerned residents over flooding issues at both community forums and one on one.

Reviews of the Mid Richmond and Lower Richmond regional models on 3 to 4 occasions have been undertaken as the model and design evolves. Typically this has been accompanied by the modeller showing WMAwater staff the key changes to the model. The last Mid Richmond review was February 2017. For the LRIC it was June 2016. Other than some reviews of white papers for Portion A, WMAwater has not reviewed the PSC models or reports for the local catchments.

WMAwater have been kept informed of the flood modelling, non-compliances and impacts and are aware of the mitigation measures assessment process for the main river models (Mid and lower Richmond) that PC have been undertaking via weekly phone meetings and a review of the draft hydrologic mitigation report. We have reviewed the draft mitigation report and provided feedback. WMA agree in principle with the approaches taken so far. However, this is subject to reviewing the models and documentation of assumptions, modelling techniques and more detail on the individual mitigation measures.

Yours Sincerely,

WMAwater

A handwritten signature in black ink, appearing to read "M K Babister".

Mark Babister

Managing Director

WMAwater Pty Ltd

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