

**From:** [Craig Ludlow](#)  
**To:** [TPC Enquiry](#)  
**Subject:** Central Coast draft Local Provisions Schedule  
**Date:** Tuesday, 18 August 2020 11:41:11 AM  
**Attachments:** [image001.jpg](#)

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My response to the TPC request for advice is provided below. Let me know if you have any further question or comments.

#### Response

It can be confirmed that the flood inundation mapping prepared by Entura along the Forth River upstream of Forth was not intended for flood planning purposes.

Detailed flood modelling was completed by Entura for the Forth River from Forth downstream to Bass Strait. The maps associated with this modelling were suitable for flood planning purposes and were provided with the Forth Flood Plan Hydraulic Modelling Report (2014).

The Forth Flood Plan Hydraulic Modelling Report Addendum includes a 1:100 AEP inundation extent map prepared for the Forth River upstream of Forth. This map was only developed to guide flood evacuation planning and was never intended to be used for flood planning (such as managing land use or for design) purposes.

Entura has recently completed updated flood modelling for the River Forth between Paloona Dam and Bass Strait on behalf of Central Coast Council. This modelling makes use of improved topographic information from LiDAR survey and supersedes all previous modelling studies. Subject to Council approval this new modelling would be suitable for land use planning along the River Forth taking into account of the modelling assumptions and limitations.

Depending on the type of flood study and the accuracy of available data the modelling and mapping for land use planning and flood evacuation may be similar, but typically modelling for evacuation planning is carried out using conservative estimates of hydraulic parameters and/or for lower probability flood events to try and adequately capture all the population that may need to be evacuated.

Thanks

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