

**Before the Hearings Panel
At Porirua City Council**

Under Schedule 1 of the Resource Management Act 1991

In the matter of the Proposed Porirua District Plan

Between **Various**

Submitters

And **Porirua City Council**

Respondent

**Statement of supplementary planning evidence - Alistair Osborne on behalf
of Porirua City Council -
Initial response to questions from the Panel (Flood Hazard Modelling)**

Date: 23 March 2023

INTRODUCTION:

1 My name is Alistair Mark Osborne. I am employed as a Senior Hydraulic Modeller at Wellington Water Ltd (Wellington Water).

2 I have prepared this statement of evidence on behalf of the Porirua City Council (Council) in respect of technical related matters arising from the hearing of submissions and further submissions on the Proposed Porirua District Plan (PDP).

3 I am authorised to provide this evidence on behalf of the Council.

QUALIFICATIONS, EXPERIENCE AND CODE OF CONDUCT

4 My evidence-in-chief sets out my qualifications and experience.

5 I confirm that I am continuing to abide by the Code of Conduct for Expert Witnesses set out in the Environment Court's Practice Note 2023.

SCOPE OF EVIDENCE

6 My statement of evidence addresses the following matters raised by the Panel during the hearing:

Can Mr Osborne please comment on the consistency of assuming a network blockage applied on the Collett property with the approach taken to flood hazards on other sites?

INITIAL RESPONSE TO QUESTIONS FROM THE PANEL

7 Blockage has not been assumed for the network in the vicinity of 42 Gray St, and flooding does occur at this location in the model, though not as extensively as prior to the model being corrected. The updated modelled flooding has been represented as an Overland Flowpath in the flood hazard mapping, as upon review of the site and updated model results it

was identified that there is a need to ensure a clear path for water to flow from the cul-de-sac to the gully on the southern edge of the property. This is consistent with the approach that has been applied for mapping Overland Flowpaths elsewhere in Pukerua Bay and all other Porirua catchments for which there is flood hazard mapping.

- 8 I acknowledge the wording in my evidence may have caused confusion, as in Paragraph 42 I noted the placement of the Overland Flowpath and then made the comment "...in the event of network blockages or an inability to carry runoff from an extreme event". This comment was in reference to a portion of paragraph 11.2 which defines Overland Flowpaths as conveying "...stormwater when the pipe or stream network capacity is exceeded or blocked, often due to heavy rain."
- 9 Please let me know if I can provide additional information

Date: 23 March 2023



Alistair Osborne