**From:** NSW Government
**To:** Flood Inquiry
**Subject:** Floods Inquiry
**Date:** Thursday, 28 April 2022 12:21:35 PM

## Your details

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|---|---|
| **Title** | Mr |
| **First name** | Raymond |
| **Last name** | Sporne |
| **Email** | |
| **Postcode** | 2480 |

## Submission details

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| **I am making this submission as** | A member of the general public |
| **Submission type** | I am making a personal submission |
| **Consent to make submission public** | I give my consent for this submission to be made public |

## Share your experience or tell your story

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| **Your story** | I am retired and a concerned member of the public.<br>I am not an Engineer or a Hydrologist but my background has included managing multi-disciplined construction projects, mainly in Oil and Gas and Minerals Processing plants, including Tailings Dam reinforcement and improvement. |

## Terms of Reference (optional)

The Inquiry welcomes submissions that address the particular matters identified in its Terms of Reference

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| **1.1 Causes and contributing factors** | It is my opinion that the Wilson River downstream from LIsmore is inadequate to handle the amount of water which flows into the town, resulting in the town flooding. |
| **1.2 Preparation and planning** | Fact: The Wilson River downstream of Lismore carries the total water to the Richmond eventually - there appears to be no evidence that it flows anywhere else.<br>1 Calculate the amount of water which entered the Wilson in Lismore<br>2 Analyse what needs to be done to the down-stream part of the Wilson to carry that amount of water, plus a safety factor for a higher quantity. Suggest this will require widening, deepening etc of the Wilson to ensure it will handle the capacity. Eliminating some of the bends in the river will also improve the flow rate. |
| **1.3 Response to floods** | Logically, if the down-stream section of the Wilson is modified such that it can handle the quantity which flowed into Lismore, there will be no risk of a flood in Lismore |
| **1.4 Transition from incident response to recovery** | With regard to the release of water from the Wilson into the Richmond, a rock and earth dam can be built at the end of the Wilson, with spillways and penstocks such that the outflow to the Richmond can be controlled, thus minimising flooding of Coraki, Woodburn etc |
| **1.5 Recovery from floods** | Yes, my proposal will be expensive but what has been the cost (in all areas) of the floods experienced over the last 200 years, and do we want to incur the same ongoing financial and emotional costs in the future? |
| **1.6 Any other matters** | Considering the dam option, a pump station and pipework could be installed to take the water from the Wilson over or through the mountains to |

a reservoir in the hills above Tenterfield.
This proposal would minimise the possibility of future flooding in Lismore and downstream, and provide a water supply for Tenterfield and other needy towns west of the mountains. A win all round

## Supporting documents or images