

To whom it may concern,

Thanks for the opportunity to submit some basic information on how the 2022 flood events have impacted the business operations of Tweed Escapes (formerly Mount Warning Tours). I will provide this information in brief, but am happy to be interviewed if needed and/or offer additional details and supporting information via email.

- This business was based at Tumbulgum NSW 2490 and Murwillumbah NSW 2484 before the flood events.
- Tweed Escapes lost three commercial vehicles in Murwillumbah and had our workshop in South Murwillumbah inundated, with 4.5 metres of water entering the premises.
- Tweed Escapes infrastructure at Tumbulgum was wholly destroyed, including our commercial berthing structure, landing area, storage area, and office at 108 Riverside Drive Tumbulgum.
- Tweed Escapes vessels sustained \$100,000 of total damages due to combined storm and flood damage at both Tumbulgum and Tweed Heads South.
- Tweed Escapes had previously replaced the original jetty due to Cyclone Debbie flood impacts in 2017, at the cost of \$50,000
- The destruction of our berth in 2022 has resulted in the permanent closure of our operations at Tumbulgum and the subsequent removal of 50% of our operations to the Gold Coast QLD.
- Tweed Escapes is considering moving its entire Tweed Valley business operations to the Gold Coast in 2023.

I have attached an independent EIA to this email, completed by Dr. Daniel Spooner from Australasian Marine Associates in March 2018, which provides detailed information on our previous operations in the Tweed Valley.

Included in the report is information that was given to all Tweed Shire Councillors and Council Staff in 2018. This information was intended to be incorporated into the Tweed Estuary Management Plan.

Specifically, this concerns the premise that no complete hydrodynamic mapping study of the entire Tweed River System had been undertaken when the report was written.

It could be argued that a detailed understanding of the Tweed River estuary bed morphology and hydrology is impossible without the completion of this study.

"To understand the processes that are likely to influence shoreline erosion in the Tweed River system

a detailed understanding of the estuary bed morphology and hydrology is required.

Importantly, as

major flood events occur these have the potential to change estuary bed morphology and 'reshape'

the way flood water and tidal water move through the system. Being able to progressively understand how the system is responding to both natural perturbation and anthropogenic

pressures

will be an important aspect of future waterway management in the Tweed River system."

Dr. Daniel Spooner 14th March 2018

Based on this information, my question is, how much of the currently accepted hydrodynamic modelling data used by Tweed Shire Council on the Tweed River System is actually based on educated guesswork?

Furthermore, how much of the current data that purports to contribute to a real and practical understanding of the following points is entirely accurate, without a hydrodynamic mapping study of the entire Tweed River System being completed?

Flood forecasting

Flood management and mitigation

Flood risk analysis and flood hazard mapping.

Flood contingency planning like evacuation routes and rescue priorities planning

Climate change assessments

Flood defence failure impact studies

Integrated urban, river, and coastal flood modelling

Regards,

Michael Simmons

Director

**Tweed Escapes**

**Green Coast Experiences**

**Green Coast Events**

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