## Griffith

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**NSW Coastal Conference 2022** 

**Nearshore nourishment mound** placement and temporary surfing outcomes

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# COASTAL AND MARINE













## Lessons learnt from previous nourishments / artificial reefs

- Regular, high frequency survey of Palm Beach nourishment mound (July 2017 – July 2018)
- Validated, published 3D process-based model (Delft3D) of sand mound dispersion
- Wave transformation across Narrowneck (Mar-Apr 2018) and Palm Beach (Nov-Dec 2019) as well as currents and sediment transport studies around the reef
- Plan to do the Bilinga studies in 2022 hoping for a decent nourishment placement (~40,000 m3+)













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cost/benefit ratio for surfing and coastal protection?

