

MEETING DETAILS				
Meeting Title:	Tweed Sand Bypass Advisory Committee (AC)			
Meeting No.:	03-2023			
Date / Time:	5:00pm 21 August 2023			
Location:	Tweed Sand Bypass Office			
Attendees:	Wayne Bartholomew – Qld AC member Peter Turner – Qld AC Member Councillor Gail O'Neill – QLD LGA AC Member Celine Roux – Qld Project Director Kim Bowra – A/NSW Project Director (Chair) Matthew Harry – A/Project Manager Adrian Barwick – NSW State AC member Linda Rijkenberg – Qld State AC member Joshua Taylor - NSW team member			
Absent / Apologies:	Jane Lofthouse – NSW LGA AC Member Robert Alexander - NSW AC Member John Ede – NSW AC Member			
Minutes prepared by:	J. Taylor			
File Path:	M.07.01			

AGENDA							
Item	Description		Finish	Duration			
1	Welcome and apologies		5.05	5 mins			
2	Community beach and entrance reports / AC member reports		5.15	10 mins			
3	Project monitoring and operational overview TSB operations Environmental Monitoring / beach observations Entrance conditions, usage and survey TSB projects and enhancements Communications		6.00	45 mins			
4	Committee Comments / General Business (All)	6.00	6.30	30 mins			

Meeting Minutes 1 / 3



MEET	ING MINUTES					
Item:	Description					
1.	Introductions and AC updates					
	KB informed the group that John Ede's membership as NSW AC Member will come to an end before the next AC meeting. KB acknowledged John Ede's contribution as NSW AC Member during his tenure.					
	The TSB team will work to fill the NSW AC Member vacancy.					
2.	Advisory Committee member reports					
	 Cr Gail O'Neill – QLD LGA AC Member Petition from Mr Allsop discussed. Petition has been responded to via the CoGC Committee / Council process. Council report addressing items raised by petitioner also included recommendation that CoGC CEO be able to appoint Working Group member. It is expected CoGC CEO will advise TSB that Liam De Lucia will be the CoGC WG representative. CoGC has recently carried out beach nourishment works in two stages. Sand was sourced from the beach adjacent to the North Kirra SLSC. 					
	 Wayne Bartholomew – Qld AC member There has been a lack of any large swell events this season which has allowed sand to accumulate on the beaches. No large swell event to move the sand on. Bank conditions have been favourable for short-board surfing at Snapper Rocks. 					
	Celine Roux – Qld Project Director The Qld Government is looking to take on a PhD student in the next 12 months in the Qld TSB team with the potential to carry out hydrodynamic modelling in the area.					
	 Peter Turner – Qld AC member Surfing conditions have been consistent since last AC meeting. Commended the project team for putting together factual information on the history of the beach conditions in the project areas and project operations noting there are many opinions in the public regarding the project. 					
	Chris @ Ocean Dive report - read by AB • The first dredge just made the bar more dangerous the second dredge at least dredged a channel which has temporarily made it a lot better until it fills in.					
3.	Project overview					
	Presentation attached.					
4.	General Business					

Meeting Minutes 2 / 3



MEETING MINUTES			
Item:	Description		
	MH advised that TSB is carrying out a project to better understand beach amenity at Kirra in the context of TSB operations. MH to arrange a meeting with AC members to discuss further.		
	Meeting end: 7:15pm		
	Next meeting: 15 November 2023		

Meeting Minutes 3 / 3

ADVISORY COMMITTEE MEETING

21 August 2023

PROJECT MONITORING AND OPERATIONAL OVERVIEW

- Pumping operations
- Environmental Monitoring / beach observations
- Entrance conditions, usage and survey
- TSB projects and enhancements
- Communications

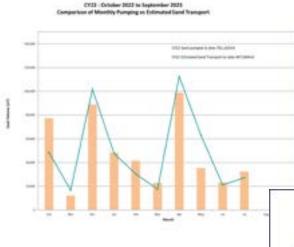






PUMPING BY JETTY MOUNTED SYSTEM 2023								
MONTH	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	5 Yr AVG (m3)				
JAN	48,339	0	48,339	32,712				
FEB	41,601	0	41,601	45,401				
MAR	22,898	0	22,898	38,229				
APR	98,757	0	98,757	34,569				
MAY	35,478	0	35,478	49,844				
JUN	23,324	0	23,324	38,920				
JUL	32,493	0	32,493	42,051				
AUG			0	27,248				
SEP			0	31,027				
OCT			0	34,389				
NOV			0	19,699				
DEC			0	41,258				
TOTAL	302.890	0	302.890	435.347				

<u>5 yr (2018-22) Avg Vol</u> Jan to Jul = 281,726m3 <u>Act</u> Vol Jan to Jul = 302,890m3

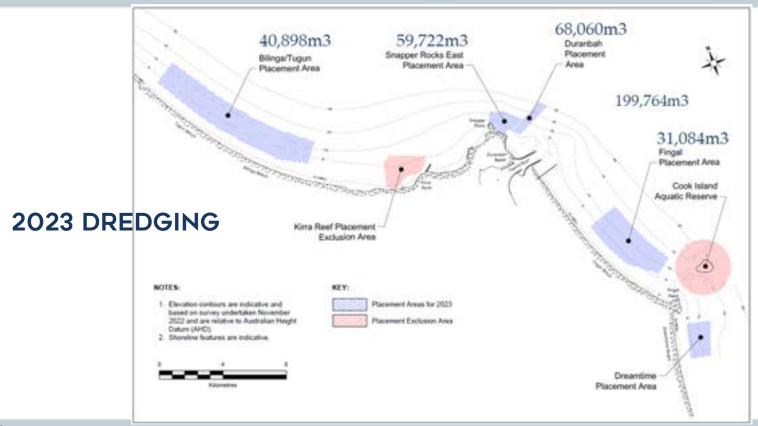


PUMPING OPERATIONS 2023







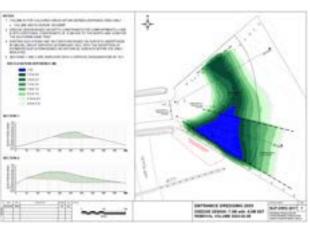




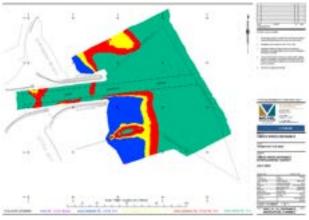




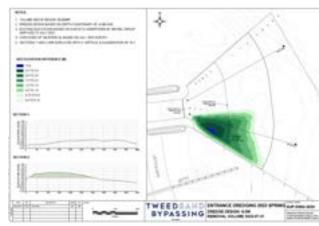
2023 DREDGE REMOVAL



260,000m3 total removal planned



199,764m3 removed



60,000m3 remaining





2023 DREDGING



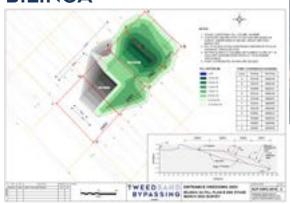








2023 DREDGE PLACEMENT BILINGA













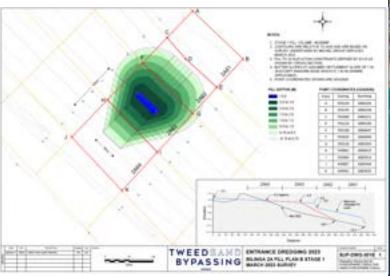








2023 DREDGE PLACEMENT - BILINGA









2023 DREDGE PLACEMENT - FINGAL

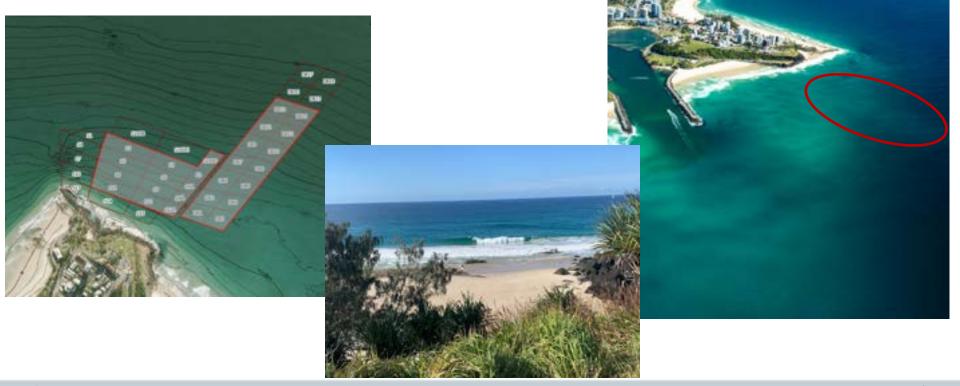






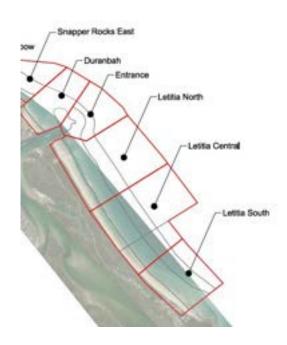


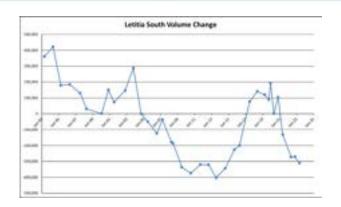
2023 DREDGE PLACEMENT - DURANBAH

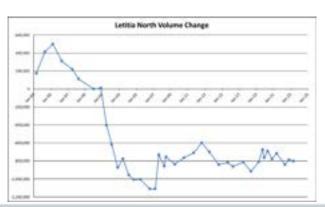


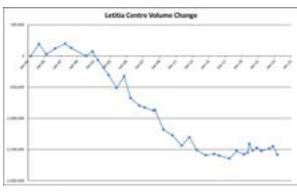








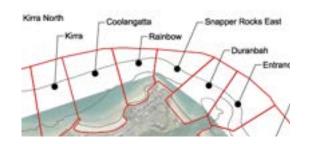


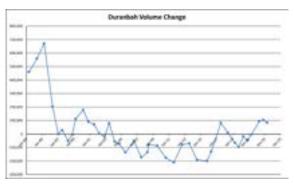




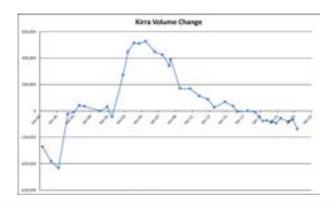


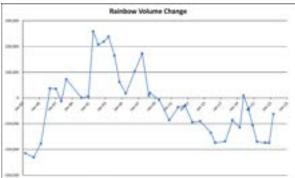


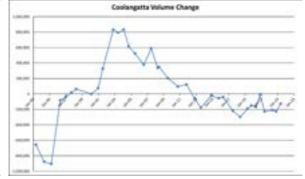






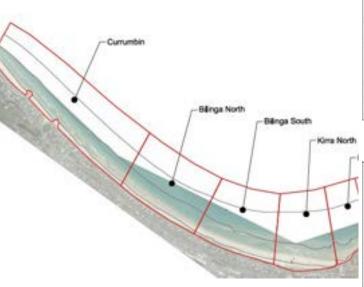


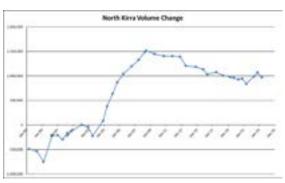


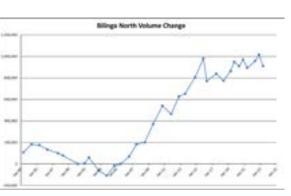


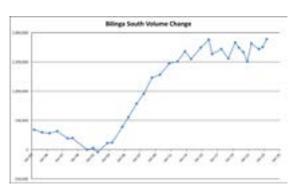












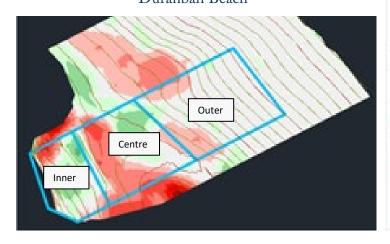


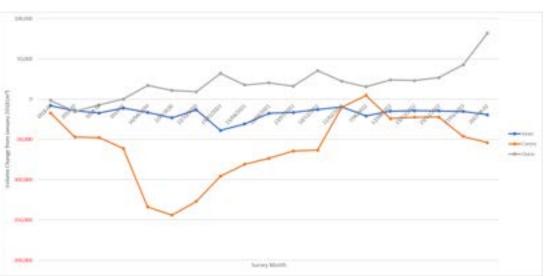






Duranbah Beach



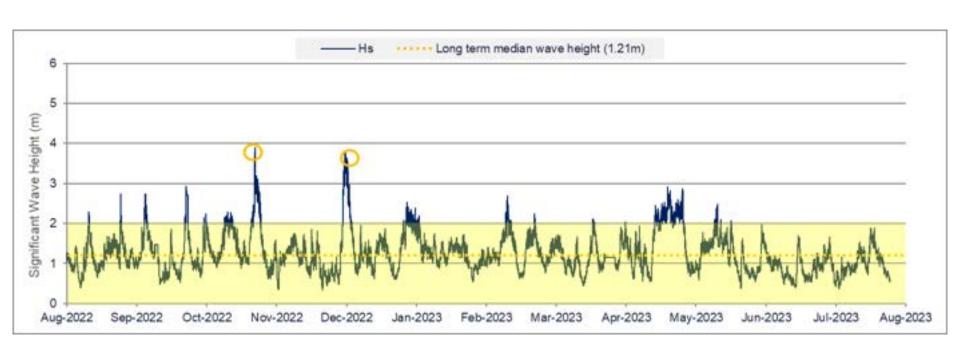








ENVIRONMENTAL MONITORING / BEACH OBSERVATIONS

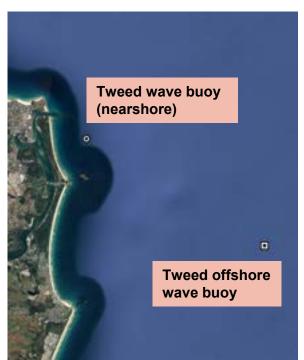


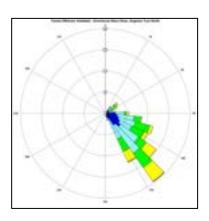




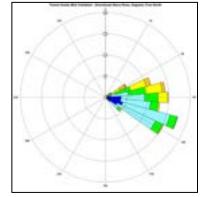


ENVIRONMENTAL MONITORING / BEACH OBSERVATIONS

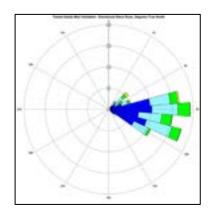




2023 May – 2023 Jul Offshore



2022 May – 2022 Jul



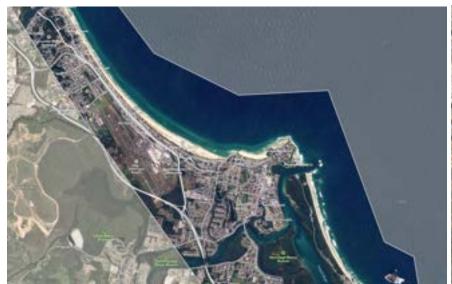
2023 May - 2023 Jul





RECENT SATELLITE IMAGERY COMPARISON

- Energetic conditions through late April sculpted the storm bar
- Rainbow Bay beach has straightened, sand has built around Greenmount and supplied Coolangatta, Kirra upper beach has widened (assisted by nourishment)
- The bar has moved shoreward up to 75m in some locations between May and August





15th May



18th Aug













OFFICIAL



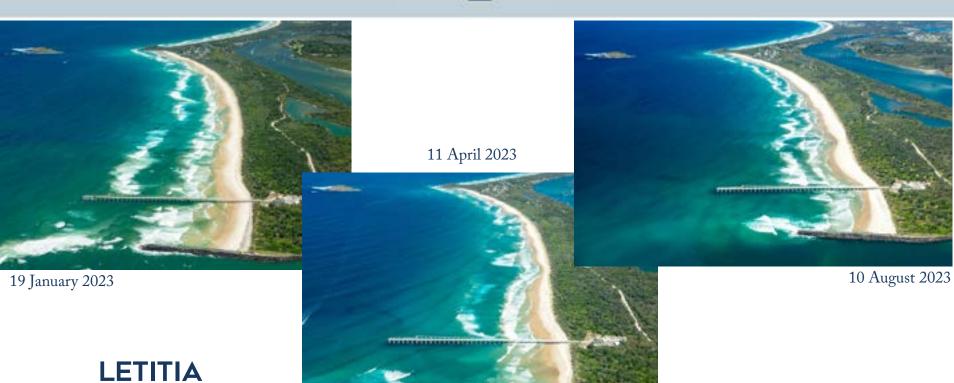
19 January 2023



11 April 2023

10 August 2023









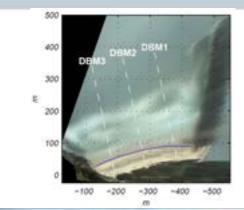


DURANBAH BEACH







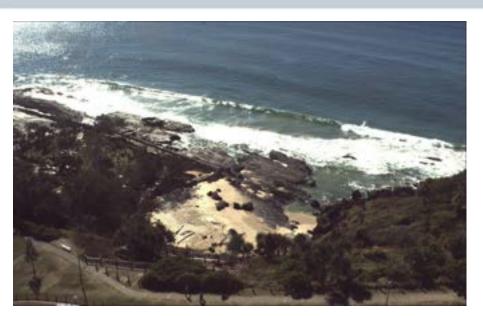


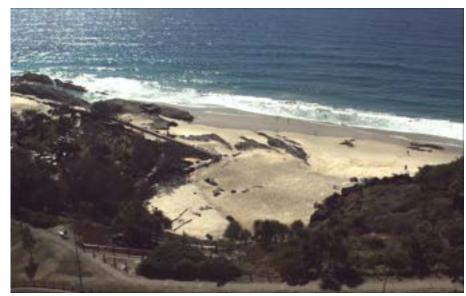


DURANBAH BEACH









21 May 2023 13 August 2023





19 January 2023

SNAPPER ROCKS RAINBOW BAY



11 April 2023



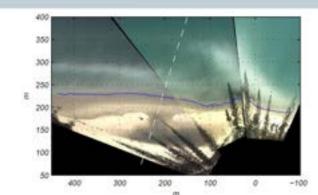


10 August 2023



RAINBOW BAY

beach width consistent with historical seasonal variation











COOLANGATTA

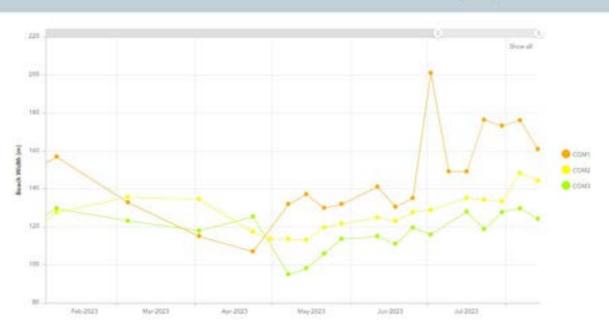
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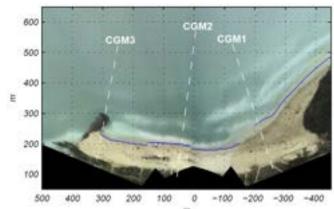
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COOLANGATTA

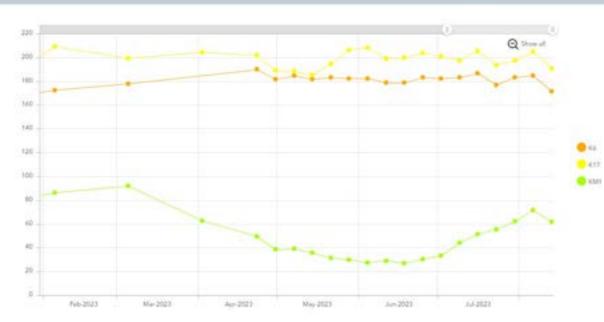


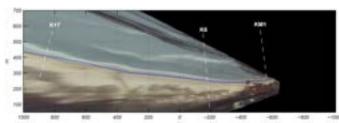














KIRRA

















BILINGA

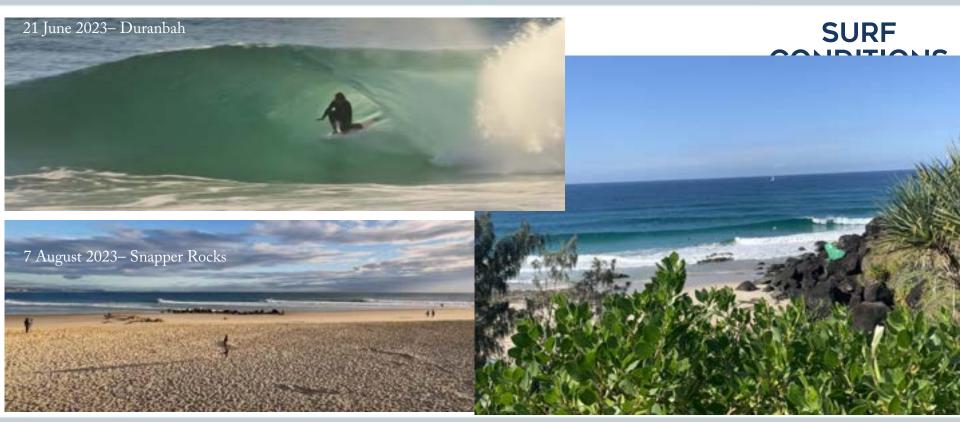






10 August 2023























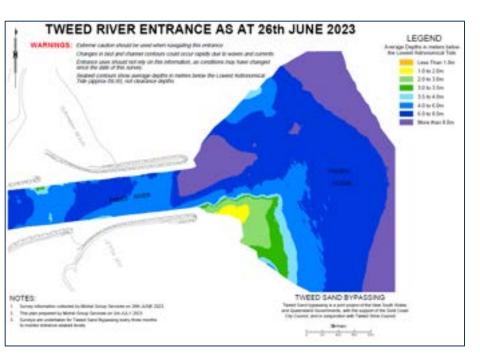
ENTRANCE CONDITIONS, USAGE AND SURVEY

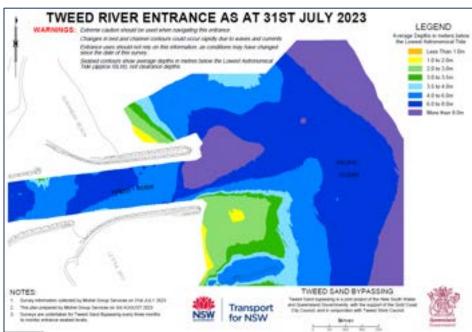












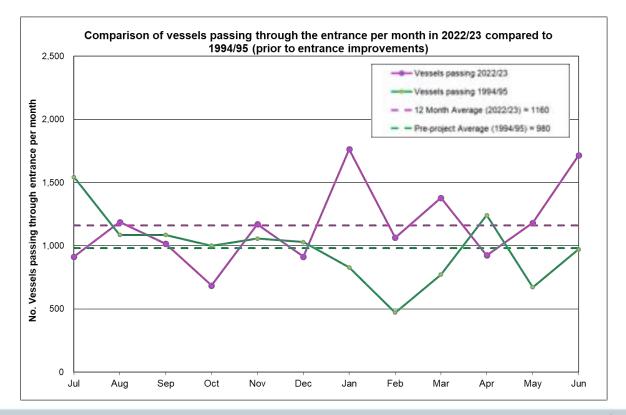






ENTRANCE USAGE

- 2023 vessel passing numbers were above average due to periods of calmer weather
- Calm conditions and a clear navigation channel saw high numbers of vessels passing over the last couple of months









PROJECTS AND ENHANCEMENTS

TSB Transition

New survey contract prep

Asset valuation

Reef Monitoring

Kirra Amenity Study

Cathodic Protection

Drafting of Management System, ICT preparations, legal instruments, property matters and asset handover, Operations Manager recruitment underway.

New Hydrographic survey contract awarded.

Nearing completion. To be used for financial and asset management purposes.

Kirra and Cook Island reef monitoring complete. Increase in extent of Kirra reef exposure of approx. 400m2.

Stakeholder workshop arranged for late August early September.

Report received and recommendations being implemented.







COMMUNICATIONS AND ENGAGEMENT

New signage underway at Dry Dock Rd boat ramp + refresh of existing signs

Dredging Instagram, App and website updates

Jetty Tours - School Students, Korean government delegate

Petition to CoGC regarding Rainbow Bay – Committee decision to accept recommendations of report.

ABC television and written story - mid June 2023

Presentation of a paper at the Australasian Coasts and Ports conference – Sunshine Coast 15-18 August 2023

How sand pumping helped shape Gold Coast's Superbank, one of Australia's most famous surf breaks

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THANK YOU

- TSB is a joint coastal management initiative of the New South Wales and Queensland State Governments
- Please provide any feedback to the TSB Project Office email tresbp.projectoffice.group@transport.nsw.gov.au