

MEETING DETAILS	
Meeting Title:	Tweed Sand Bypass Advisory Committee (AC)
Meeting No.:	02-2024
Date / Time:	5:00pm 13 May 2024
Location:	Tweed Shire Council, Tweed Heads Administration Office
Attendees:	Jane Lofthouse – NSW LGA AC Member Wayne Bartholomew – Qld AC member Councillor Gail O'Neill – Guest (reappointment to Qld LGA AC Member following Local Government elections) Simon Walter – NSW Project Director Darren Hulm - NSW AC member (via MS Teams) Linda Rijkenberg – Qld State AC member (via MS Teams) Celine Roux – Qld Project Director (via MS Teams) Matthew Harry – Principal Manager TSB Sarah Dobe – TSB NSW team member Joshua Taylor - NSW State AC member (chair)
Absent / Apologies:	Peter Turner – Qld AC Member Bruce Lee – Guest Brendon Luke - TSB NSW team member Adrian Barwick – NSW team member Larry Woodland - Proxy for NSW AC member Robert Alexander
Meeting notes prepared by:	J. Taylor
File Path:	M.07.01

AGENDA					
Item	Description	Start	Finish	Duration	
1	Welcome, apologies and AC updates.	5.00	5.05	5 mins	
2	Advisory Committee member and community reports	5.05	5.15	10 mins	
3	Project monitoring and operational overview • Pumping 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	

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MEET	ING NOTES					
Item:	Description					
1.	Welcome, apologies and AC updates Thanks to Jane, for providing the venue to hold this meeting. Welcome Darren Hulm to the Advisory Committee. Darren currently works for Marine					
	Rescue NSW as the Superintendent – Zone Commander North. Darren provided a caree and experience overview showing his extensive experience and knowledge in the maritime / marine sectors in the local area.					
	No other updates to the AC or TSB team.					
2.	Advisory Committee member and community reports					
	 Councillor Gail O'Neill - Guest (reappointment to Qld LGA AC Member following Local Government elections) Cr O'Neill read an email from a community member. The community member believes to better manage TSB, the team should investigate the option to backpass sand to Letitia Beach. This was discussed. Matthew Harry – Principal Manager TSB advised he has been in correspondence with the community member, and also invites the community member to contact himself via telephone if he requires more information or to discuss the matter further. The recent, large music festival held at Coolangatta Beach and adjacent park had a significant impact on beach, dune and park areas. CoGC are preparing a condition report on health of the beach following the event. Councillor O'Neill provided updates to the committee on current and future projects including seawall and Oceanway construction at Currumbin, Kirra Hill stabilisation project, water quality signage at the Coolangatta Creek North Kirra outlet and Flat Rock Creek Bridge and Flat Rock Creek catchment projects. Cr O'Neill has recently been appointed as Chair of the Gold Coast World Surfing Reserve Local Stewardship Advisory Committee. CoGC are planning to carry out a master plan for Snapper Rocks Road area. This will commence in the new financial year. 					
	 Wayne Bartholomew - Qld AC member The swell conditions have created a perfectly groomed, stable bank for surfing at Snapper Rocks. Excellent surf conditions were observed for the World Surfing League Snapper Rocks competition largely due to the great bank. The WSL Snapper Rocks event was the most viewed WSL event in the world this year. The surf at Duranbah has been good. WB noted the commencement of sand nourishment. WB advised that the TSB project was spoken about in the WLS commentary and there was interest in how it works. 					

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MEET	ING NOTES						
Item:	Description						
	Bruce Lee – guest (relayed by Matthew Harry) • Great banks at Snapper Rocks at the moment. • During WSL event, BL had the opportunity to explain how the TSB system works to members of the community.						
	 Jane Lofthouse – NSW LGA AC Member JL noted current sand nourishment campaign at Duranbah Beach. Tweed Shire Council (TSC) will locally push sand up to the gravel path at the southern end of Duranbah once nourishment has been completed. TSC will repair gravel path scoured due to stormwater runoff. Tweed Coastal Hazard Study in progress – a draft will be provided to TSB for review in coming months. JL noted localised beach erosion at Kingscliff. 						
	 Darren Hulm - NSW AC member DH advised that he had not heard anything negative in relation to the Tweed River entrance conditions. Sources of information are Marine Rescue, Maritime Boating Safety Officers and Water Police. There are calls for dredging of the Tweed River upstream of the entrance at the confluence of Terranora Inlet and Tweed River. Noting this is outside of TSB responsibility. Marine Rescue now occupy the new facility at the Point Danger lighthouse. It is a great new facility with excellent vantage point of the Tweed River entrance and Duranbah. 						
	Ocean Dive Charters (via email - read by JT) • The channel the dredge dug has filled in, once the average swell is over 1.5 m on a runout tide it creates for a very unsafe bar crossing. We usually have to cancel our charters.						
	Linda Rijkenberg – Qld State AC member • No updates from Queensland government.						
	 Celine Roux – Qld Project Director CR notes the busy period TSB is in and notes the good teamwork between Qld and NSW teams. Congratulations to Sarah Dobe – NSW Team Member for the big effort in getting the TSB Management System Environmental Plans finalised for review. 						
	Simon Walter – NSW Project Director • Thanked the TSB team for the presentation and work to date leading up to transition.						
	Peter Turner – Qld AC Member (provided post meeting) Noted the success of the WSL event and high-quality waves during the competition. Has observed a lot of sand movement and how much Kirra has changed from eroded to now plenty of sand.						

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MEET	MEETING NOTES				
Item:	Description				
3.	Project monitoring and operational overview				
	Presentation attached.				
4.	Committee Comments / General Business Nil				
	Meeting end: 6:30pm				
	Next meeting: August 2024 (TBC)				

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Advisory Committee Meeting

13 May 2024

Project monitoring and operational overview

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



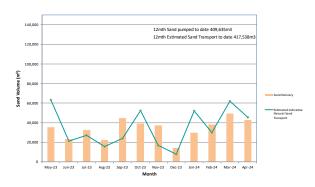


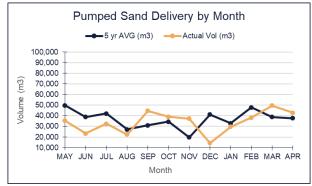
Pumping operations 2023

Pumping operations 2024

PUMPING BY JETTY MOUNTED SYSTEM 2023				PUMPIN	IG BY JET	TY MOUN	TED SYSTI	EM 2024	
MONTH	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	5 Yr AVG (m3)	MONTH	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	5 Yr AVG (m3)
JAN	48,339	0	48,339	32,712	JAN	29,653	0	29,653	32,883
FEB	41,601	0	41,601	45,401	FEB	38,262	0	38,262	47,807
MAR	22,898	0	22,898	38,229	MAR	49,535	0	49,535	38,925
APR	98,757	0	98,757	34,569	APR	42,896	0	42,896	37,685
MAY	35,478	0	35,478	49,844	MAY			0	52,676
JUN	23,324	0	23,324	38,920	JUN			0	39,143
JUL	32,493	0	32,493	42,051	JUL			0	49,712
AUG	22,418	0	22,418	27,248	AUG			0	26,227
SEP	44,687	0	44,687	31,027	SEP			0	31,887
OCT	39,147	0	39,147	34,389	OCT			0	33,456
NOV	37,414	0	37,414	19,699	NOV			0	19,765
DEC	14,328	0	14,328	41,258	DEC			0	43,707
TOTAL	460,884	0	460,884	435,347	TOTAL	160.346	0	160.346	453,872

Comparison of Monthly Pumping vs Estimated Sand Transport



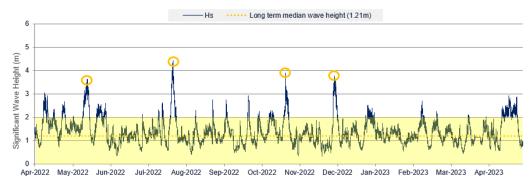








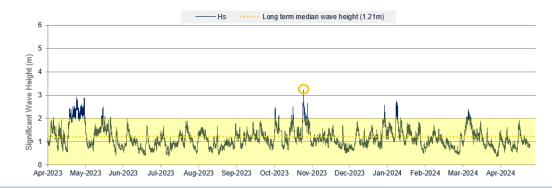
Environmental Monitoring / beach observations



April 2022-23 Estimated transport 600,000 m³

April 2023-24 Estimated transport 484,000 m³

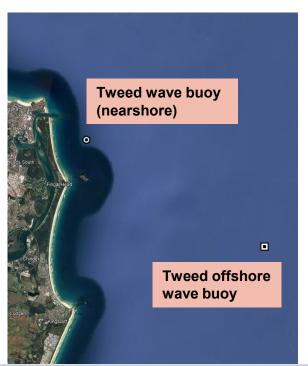
Overall, it has been a relatively low energy period compared to the previous year

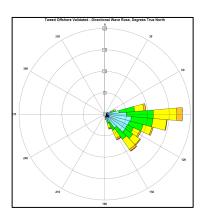




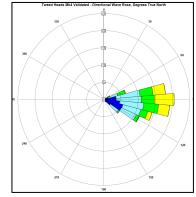


Environmental Monitoring / beach observations

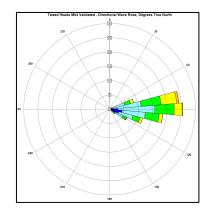




2024 Feb – 2024 Apr Offshore



2023 Feb – 2023 April Inshore



2024 Feb – 2024 Apr Inshore





Recent conditions

February - February had consistent strong E offshore swell direction and moderate wave heights. The sediment transport rate was significantly lower than February average. The conditions continue to move sand out from Rainbow Bay and Greenmount with additional sand observed at Kirra. The longshore bar and nearshore trough remains good swimming conditions.

March – March had a consistent strong E offshore swell direction with significant wave heights. The conditions affected the upper beach at Duranbah, with scarping observed exposing the Tyalgum wreck and mid-tide rocks. Frog Beach was also depleted of sand during the high energy conditions.

April – Observed a mix of calm and active conditions and moderate wave heights with E wave direction. Beach building was observed at Duranbah and Frog Beach. The sediment transport rate was less than the April average.





Rainbow Bay 13 February *south aspect

Kirra 13 February





Frog Beach 08 April

Frog Beach 03 May





Greenmount 08 April

Duranbah 08 April







Fingal





10 August 2023



11 October 2023

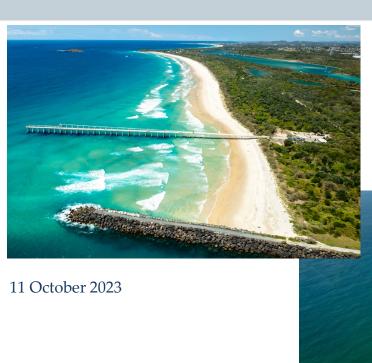




5 February 2024







5 February 2024

Letitia



NSW GOVERNMENT



11 April 2024



11 October 2023

Duranbah Beach





11 April 2024













Duranbah Beach



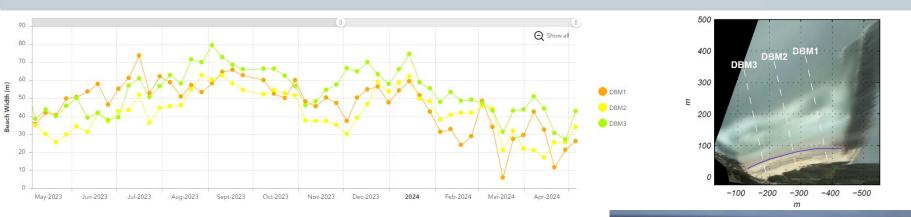
Duranbah Beach Nourishment

- Temporary pipe has been mobilised
- Pumping commenced Friday 10th May
- Estimated sand delivery 25,000m³ 30,000m³ total
 - Southern mound 10,000m³ to 14,000m³
 - Central mound 9,000m³ to 10,000m³
 - Northern mound 6,000m³
- 4 6 week campaign
- Day and night pumping



















11 October 2023

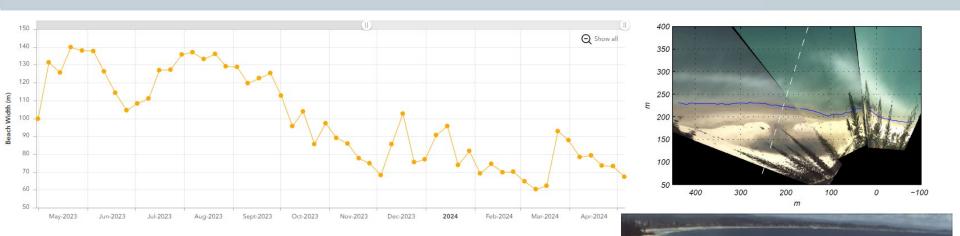
Snapper Rocks Rainbow Bay



11 April 2024







Rainbow Bay





13 April 2024

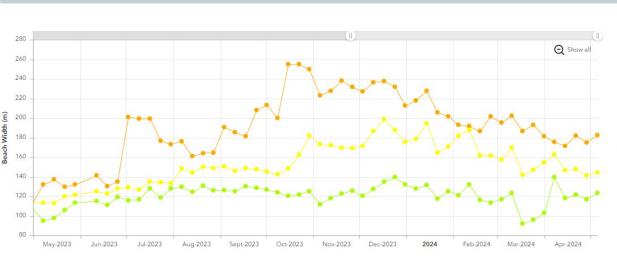


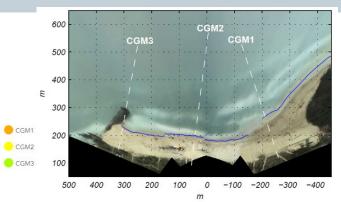
5 February 2024













COOLANGATTA







11 October 2023

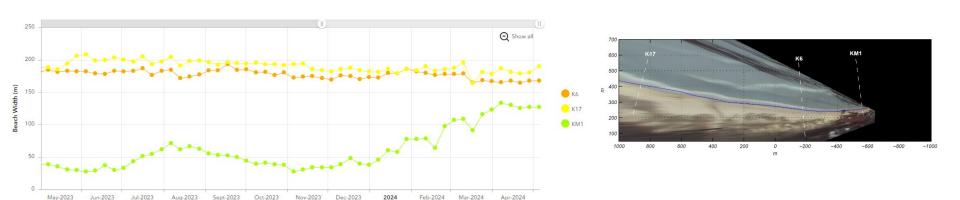
Kirra

11 April 2024











Kirra







5 February 2024













Bilinga – February 2024 Bilinga – April 2024





Bilinga – February 2024 Bilinga – April 2024





Bilinga – February 2024 Bilinga – April 2024









5 February 2024

11 April 2024







15 February 2024





20 April 2024

Surf Conditions - Duranbah





21 March 2024





Surf Conditions – Snapper Rocks







Surf Conditions – Kirra









Entrance conditions, usage and survey

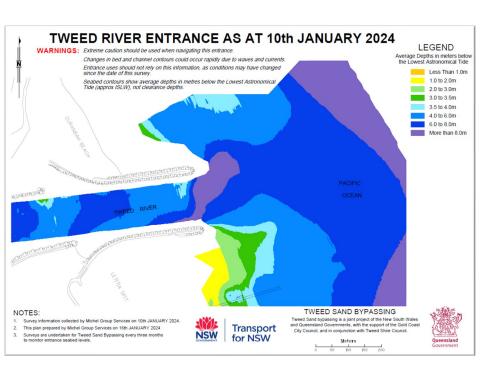


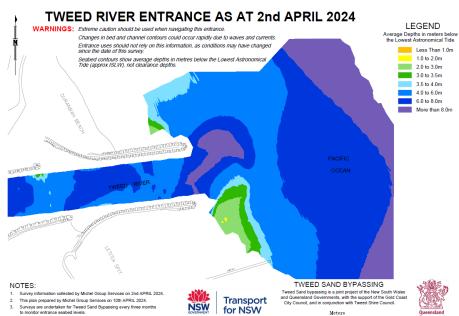


11 April 2024









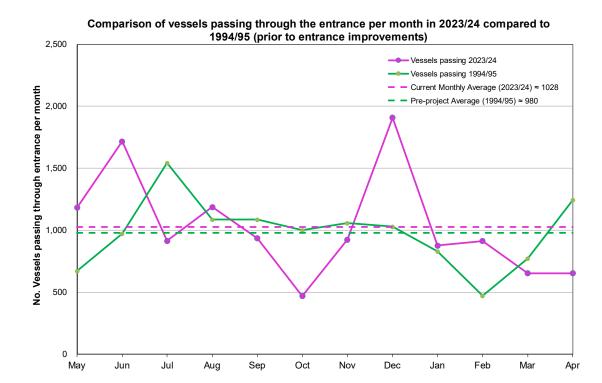






Entrance usage

 Vessel numbers were below monthly averages for February and March before increasing in April.







Projects and enhancements

TSB Transition

New network connection to jetty by June, New SCADA hardware and software. Intergovernmental Agreement prepared for Minister approval. Asset handover and rectification underway.

Low Pressure Pump Station deck upgrade

Replacement of timber deck with steel support structure and GRP deck. 'For Construction' draws received. Fabrication to commence in May.

Environmental Audit

Environmental Audit of TSB environmental Management System nearing completion.

Kirra Amenity Study

Draft report complete and reviewed. Consultant updating final report.

Long Term Average Report

Scope complete. To market within coming weeks.

Environmental Management Plan

Submission of EMP to commence the regulatory approvals process.







Communications and engagement

TSB store at WSL Snapper Rocks event

Preparation of Dredge Communications plan for mid 2024

Routine App and website maintenance







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 TSB@transport.nsw.gov.au