Advisory Committee meeting

14 May 2025

Project monitoring and operational overview

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



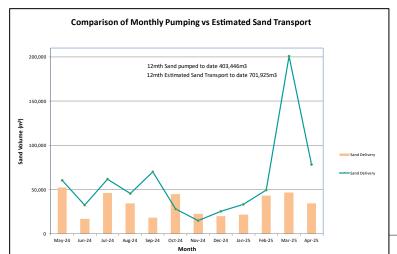


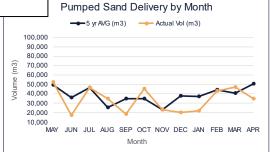




Pumping 2025

PUMPING BY JETTY MOUNTED SYSTEM 2025						
монтн	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	5 Yr AVG (m3)		
JAN	21,665		21,665	37,002		
FEB	43,232		43,232	44,389		
MAR	46,901		46,901	40,417		
APR	34,613		34,613	50,796		
MAY			0	54,321		
JUN			0	28,779		
JUL			0	45,544		
AUG			0	27,559		
SEP			0	33,729		
OCT			0	39,706		
NOV			0	25,101		
DEC			0	39,396		
TOTAL	146,411	0	146,411	466,740		



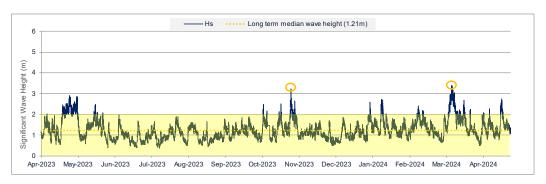








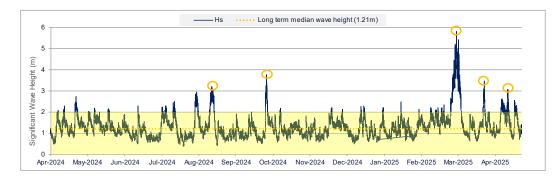
Environmental Monitoring / beach observations



May 23 – Apr 24 Estimated transport 417,538 m³

May 24 - Apr 25 Estimated transport 701,925 m³

(279,177 m³ in May/Apr 2025)





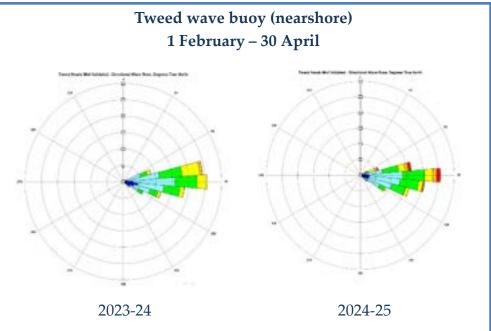


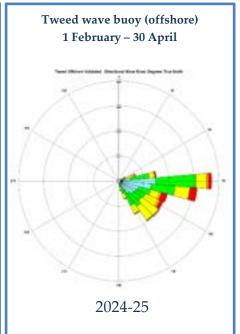


Environmental Monitoring / beach observations



□ 3.0 - 4.0m ■ > 4.0m

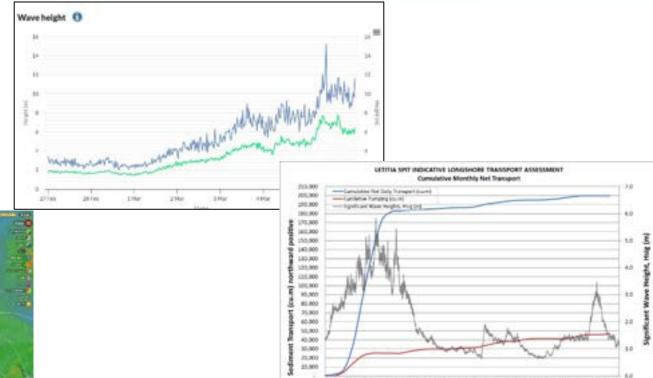








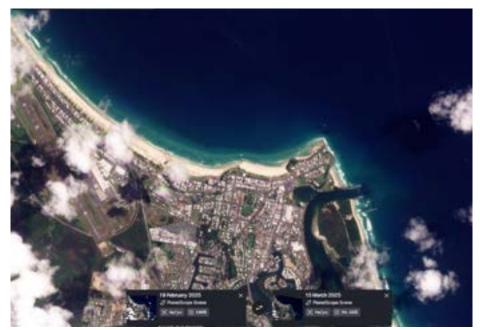
Tropical Cyclone Alfred







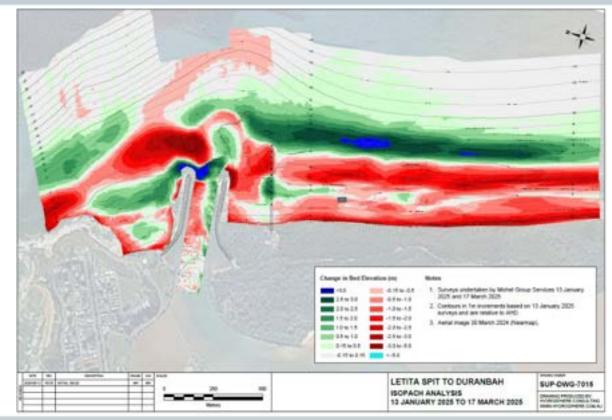
March 2025





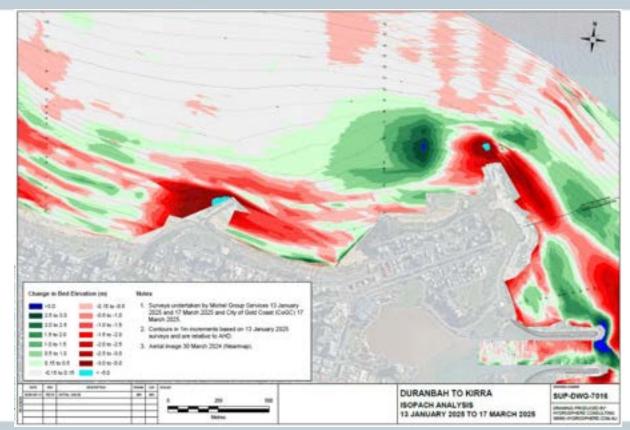
























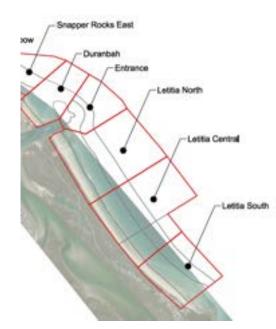




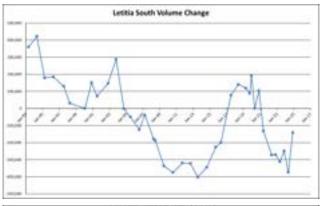


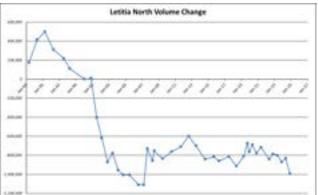


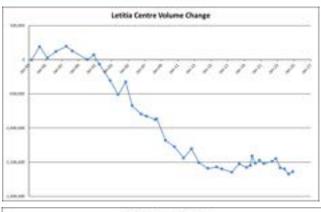
VOLUME ANALYSIS

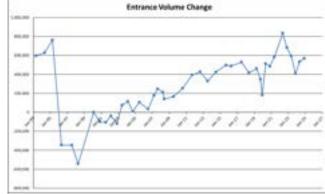


Up to December 2024





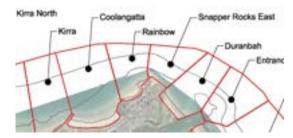




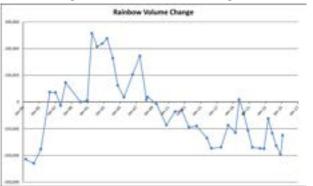




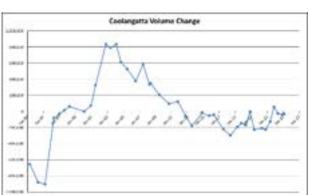
VOLUME ANALYSIS

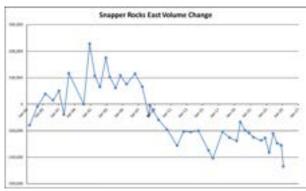


Duranbah Up to December 2024, otherwise up to March 2025





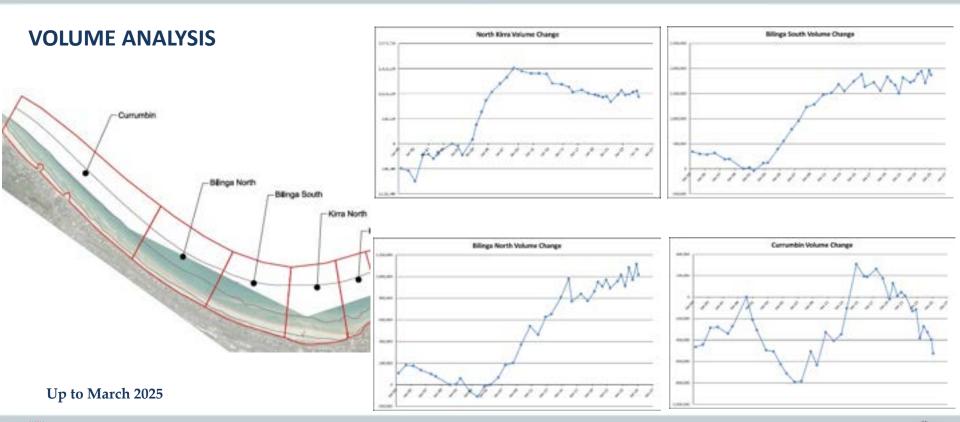








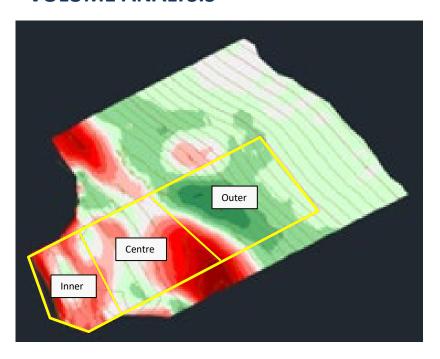


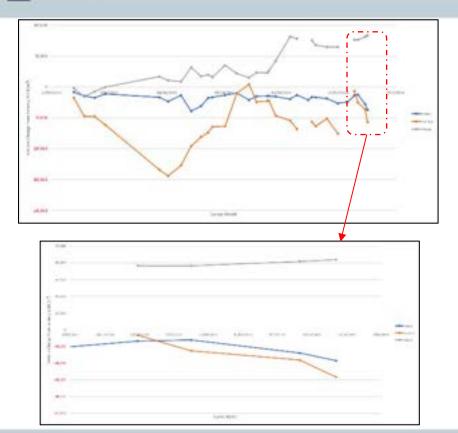






VOLUME ANALYSIS Duranbah Beach









Fingal





21 January 2025

17 April 2025





Letitia





21 January 2025 17 April 2025





Duranbah Beach



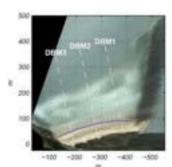


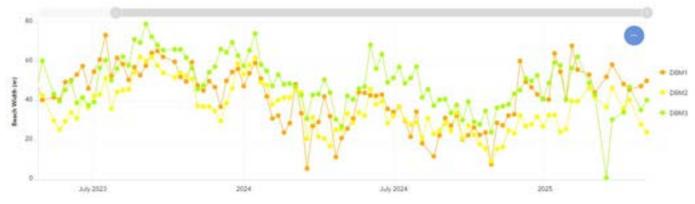
21 January 2025 17 April 2025





Duranbah Beach













Southern Gold Coast





21 January 2025 17 April 2025





Snapper Rocks Rainbow Bay





21 January 2025 17 April 2025







Snapper Rocks Erosion



Sand from Froggies Beach turned the corner to Snapper Rocks on 13/04/25, close to 1 month after TC Alfred and with approximately 35,000m3 of delivered sand post TC Alfred. Rebuilding of Snapper Rocks to continue with a sediment pathway developed.



7 April 2025 14 April 2025





Rainbow Bay erosion



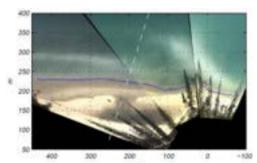


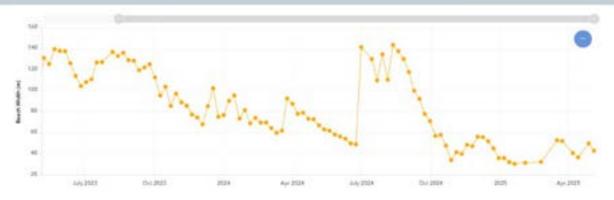
13 January 2025 15 April 2025





Rainbow Bay





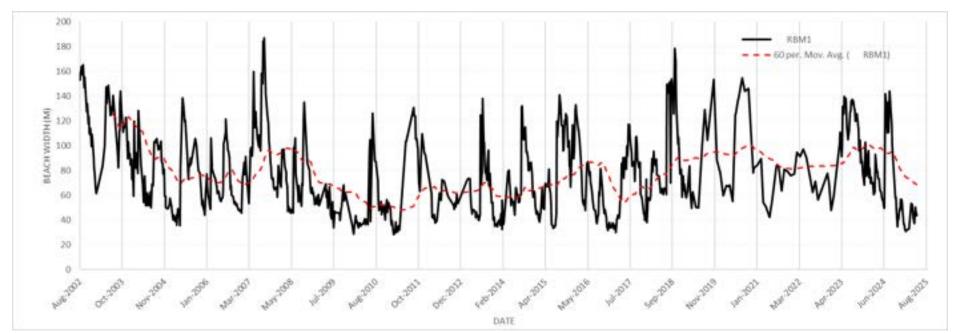








Rainbow bay
Historical beach width data







Coolangatta

21 January 2025



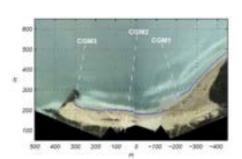


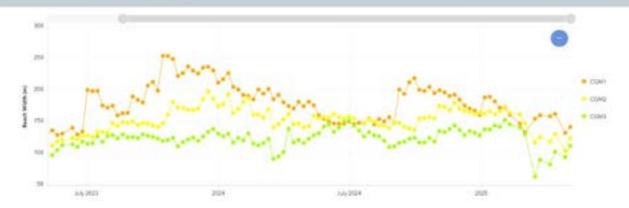
17 April 2025





COOLANGATTA













Kirra

















Bilinga



21 January 2025 17 April 2025















4 March2025

Surf Conditions – Duranbah











Entrance Conditions, Usage and Survey







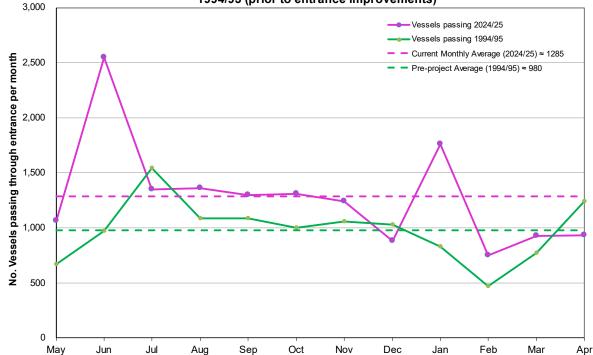




Entrance usage

 Vessel numbers well below average for April.

Comparison of vessels passing through the entrance per month in 2024/25 compared to 1994/95 (prior to entrance improvements)

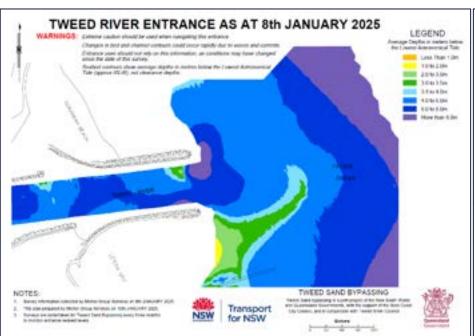








Tweed River Entrance survey









Overturned vessel - Cook Island - 22 April 2025









Projects and enhancements

Slurry and water pumps

New slurry pump installed and new high-pressure pump to be procured.

Land Matters

Lease over pipeline infrastructure in Qld progressing, final approval being sought by NSW Minister. Crown land easement over jetty being progressed.

Dredging 2025

Open tender to commence in May/June. Dredging of entrance estimated Aug/Sept 2025.

Coating Management Plan

Investigations and recommendations for optimal management of steel coatings.

Long Term Average Report

Draft report complete. Assessment tool developed for team use.

Environmental monitoring initiatives

Automated vessel counts at entrance commencing May, Shorebird monitoring scope commenced, Reef Monitoring under procurement, Pollution Incident Management Response Plan (PIRMP) being developed (requirement under EPL).







Communications and engagement

TSB to present at the Queensland Coastal Conference / National Coast to Coast Conference.

Jetty tour conducted for staff of the NSW Reconstruction Authority. School groups have been booked for upcoming educational tours of the jetty.

Routine App and website maintenance. Update to website to reflect Transition completion.

Community survey planned for FY2026

Collaboration with WSL regarding planning for the 2025 Gold Coast Pro.











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 <u>TSB@transport.nsw.gov.au</u>



MEETING DETAILS		
Meeting Title:	Tweed Sand Bypass - Monitoring and Operations Status Update	
Meeting No.:	02-2025	
Date / Time:	3:00pm Wednesday 14 May 2025	
Location:	VMR, Duranbah Beach (Coral St, Tweed Heads)	
Attendees:	Wayne Bartholomew – Qld AC member Jane Lofthouse – NSW LGA AC member Councillor Gail O'Neill – Qld LGA AC member Peter Turner – Qld AC Member Kim Bowra - NSW Project Director (chair) Kane Nielsen – A/ Qld Project Director Yelena Shrepp - Qld team member Sarah Dobe – A/ Principal Manager TSB Adrian Barwick – NSW team member Joshua Taylor - NSW State AC member	
Absent / Apologies:	NSW AC member Robert Alexander Bruce Lee – Guest Matthew Harry – Principal Manager TSB Celine Roux – Qld Project Director Linda Rijkenberg – Qld State AC member Darren Hulm - NSW AC member	
Meeting notes prepared by:	JT	
File Path:	M.07.01	

AGENDA				
Item	Description	Start	Finish	Duration
1	Welcome, apologies and AC updates.		5.05	5 mins
2	Advisory Committee member and community reports		5.15	10 mins
3	Project monitoring and operational overview	5.15	6.00	45 mins
4	Committee Comments / General Business (All)	6.00	6.30	30 mins

Meeting Minutes 1 / 3



MEET	ING NOTES			
Item:	Description			
1.	Welcome, apologies and AC updates			
	Acknowledgement of Country by KB. The AC welcomed Yelena Shrepp who has recently joined the Qld TSB team.			
2.	Advisory Committee member and community reports			
	Jane Lofthouse – NSW LGA AC member - Ex TC Alfred severely hit Tweed coast. Further erosion expected to occur in the next week or so with high tides towards the end of May. - Tweed Coastal Hazard Study has been adopted by Council – JL plans to present this at the next AC meeting. Wayne Bartholomew – Qld AC member			
	 TC Alfred significantly impacted the beaches creating a prominent storm bar. Duranbah beach eroded considerably, however, it was the surf quality at Duranbah that was first to recover. Surf quality at Snapper returned last week. WB and TSB staff met with WSL ahead of the event originally planned for Snapper Rocks to provide information related to TSB operations. Snapper suffered small erosion events post TC Alfred that delayed the bank returning. 			
	- Beaches themselves on the southern Gold Coast held up reasonably well.			
	 Councillor Gail O'Neill – Qld LGA AC member TC Alfred caused significant erosion especially on the Gold Coast's northern beaches. The Currumbin seawall project has been completed with dune planting to be carried out in the coming weeks. The City is planning a number of projects in Division 14 including: Rebuilding the southern training wall at Currumbin Alley which will include a pathway on top similar to the southern training wall at Tallebudgera Creek. Rainbow Bay and Snapper Rocks seawall construction has passed the concept design milestone. Work is continuing on the Snapper Rocks Masterplan project The City is working with the Rainbow Bay SLSC regarding their redevelopment project. Revegetation to the headland around Snapper Rocks is planned. The City has been actively reprofiling sand at Snapper Rocks beach to maintain key access points. 			
	 Peter Turner – Qld AC Member Fingal Beach is generally in good condition. PT noted that there are waves breaking at 9 and 5 mile reefs. Right hander at Cook Island is also breaking. There has been some discussion in the community about too much sand placed in south corner of Duranbah Beach near the training wall. PT has explained reasons 			

Meeting Minutes 2 / 3



MEETING NOTES			
Item:	Description		
	for placement at this location and following the impacts of TC Alfred, placement in the location looks to be a good strategy. - Kirra has had some good waves over the past few months. - The southern end of the coast fared well compared to northern end of the coast.		
3.	Project monitoring and operational overview		
	Presentation attached.		
4.	Committee Comments / General Business		
	Jane Lofthouse – NSW LGA AC member - TSC Mayor has been contacted by Australian Bay Lobster (ABL). ABL is concerned the sediment plume from dredging and deposition has impacted water quality at the intake (which is located 1.2km offshore of Kingscliff). - ABL may undertake additional water quality sampling, JL has recommended ABL get in touch with TSB team prior to the next dredging campaign.		
	Councillor Gail O'Neill – Qld LGA AC member - Noted that the City has been working with Surfrider regarding water quality testing. - Signage at North Kirra (Coolangatta Creek) stormwater outlet has been installed.		
	Meeting end: 4:30pm		
	Next meeting: August 2025 (TBC)		

Meeting Minutes 3 / 3