TWEEDSAND BYPASSING

MEETING DETAILS	
Meeting Title:	Tweed Sand Bypass Advisory Committee - Monitoring and Operations Status Update
Meeting No.:	03-2025
Date / Time:	3:00pm Tuesday 19 August 2025
Location:	VMR, Duranbah Beach (Coral St, Tweed Heads)
Attendees:	Kim Bowra (KB) - NSW TSB Project Director (chair) Celine Roux – Qld TSB Project Director Wayne Bartholomew – Qld Community Representative Tom Alletson – proxy for Jane Lofthouse – NSW LGA AC member Councillor Gail O'Neill – Qld LGA AC member Robert Alexander - NSW Community Representative Darren Hulm - NSW Community Representative Matthew Harry – Principal Manager TSB Yelena Shrepp – Proxy for Qld State AC member Joshua Taylor (JT) - NSW State AC member Sarah Dobe – NSW TSB team member Adrian Barwick – NSW TSB team member
Absent / Apologies:	Jane Lofthouse – NSW LGA AC member Peter Turner – Qld Community Representative Kane Nielsen – Qld TSB team member Bruce Lee – Guest Linda Rijkenberg – Qld State AC member
Meeting notes prepared by:	JT
File Path:	M.07.01

AGENDA

Item	Description	Start	Finish	Duration
1	Welcome, apologies and AC updates.	3.00	3.05	5 mins
2	Advisory Committee member and community reports	3.05	3.15	10 mins
3	Project monitoring and operational overview • Pumping operations • Environmental Monitoring / beach observations • Entrance conditions, usage and survey • TSB projects and enhancements • Communications	3.15	4.00	45 mins
4	Committee Comments / General Business (All)	4.00	4.30	30 mins

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OFFICIAL

MEETING NOTES	
Item:	**Description**
1.	<u>Welcome, apologies and AC updates</u> Acknowledgement of Country by KB. Introduction of AC members.
2.	<u>Advisory Committee member and community reports</u> Tom Alletson – proxy for Jane Lofthouse – NSW LGA AC member - The TSB team is currently nourishing Duranbah Beach - Footpath and seawall works are currently occurring at Little D'bah beach and adjacent Ebenezer park. TSC is working with TSB regarding footpath works and raising Valve Pit 4. - No community complaints received regarding northern driveway works at TSB compound. Rob Alexander – NSW Community Representative - Fingal community has been asking about reduced upper beach at Fingal since TC Alfred and if anything can be done and what is the impact of continued TSB operations on the beaches. Wayne Bartholomew – Qld Community Representative - Areas north and south of the border recovering from TC Alfred - Duranbah beach has been reliable for surf recovering relatively quickly after TC Alfred. - TC Alfred a large deficit of sand at Froggies. - Snapper recovered on the last day of the Gold Coast pro event. - Storm bar at Letitia Beach was out past the jetty. - There has been a wide bank at Snapper and Greenmount. - Snapper has had some surf quality, but the bank has not yet been robust. Additional sand at Snapper would help this. - Surf quality in the coming months will depend on how the upcoming season (northerly conditions) eventuates. Councillor Gail O'Neill – Qld LGA AC member - There has been a sand deficit at Currumbin since TC Alfred with the north side of the SLSC the most impacted. South side held up relatively well. - CoGC has been addressing sand buildup at SLSC carpark. - There are plans in place to truck sand into Currumbin. - Rainbow Bay beach is in good condition. - Feedback on draft masterplan for Rainbow Bat and Snapper Rocks has been received. Second draft with amendments to road are underway. Second round of consultation will occur in the coming weeks. - Surfing reserve stewardship meeting will be held shortly. - The City has been working with Surfrider and is reporting on water quality monitoring at ocean beaches. Water quality monitoring available on the City's website.

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OFFICIAL

MEETING NOTES	
Item:	**Description**
	- Consultation has been carried out for plans to replace walkway around Greenmount Hill. This plan also proposes to extend viewing platforms. Darren Hulm - NSW Community Representative - Marine Rescue has been busy responding to significant weather events along the NSW coast including flood response. - VMR Pt Danger is operating well. - The Tweed Bar can be problematic with unfavourable weather conditions, interested in recent survey information and observations of the Tweed Bar. Chris Mair - Ocean Dive Charters (via email) - 'There is still a heap of sand build up and the channel has filled in making it unsafe with a swell of 1.4 m or more.'
3.	<u>Project monitoring and operational overview</u> Presentation attached.
4.	<u>Committee Comments / General Business</u> Nil.
	Meeting end: 4:30pm
	Next meeting: November 2025 (TBC)

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OFFICIAL

TWEED SAND BYPASSING

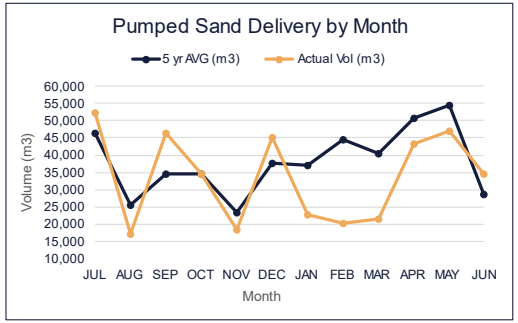
ADVISORY COMMITTEE MEETING

19 August 2025

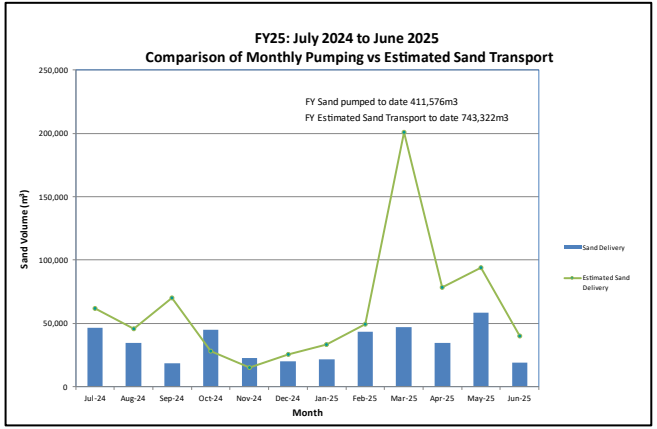
PROJECT MONITORING AND OPERATIONAL OVERVIEW

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

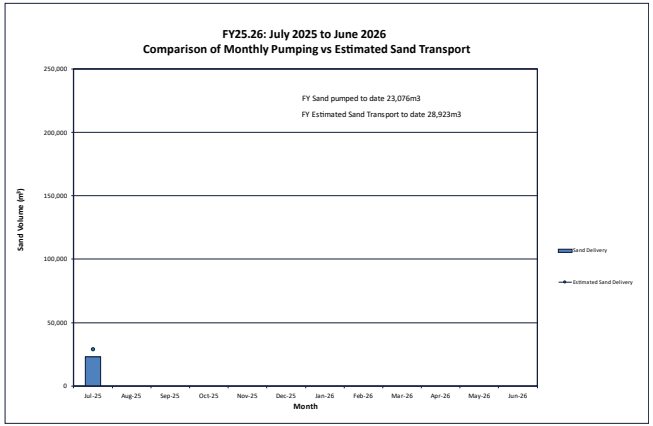
PUMPING



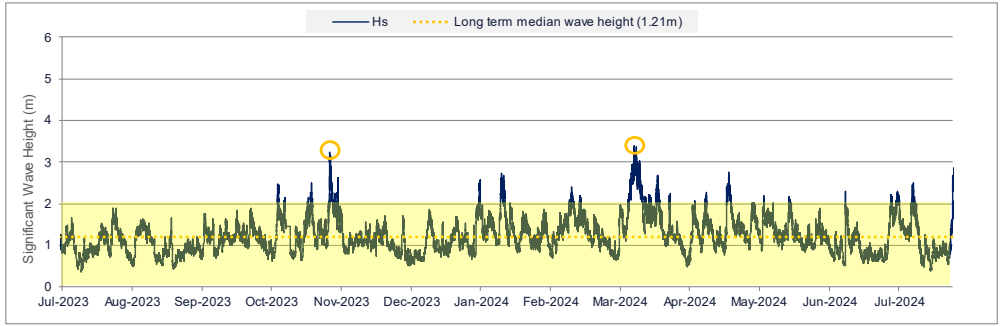
PUMPING BY JETTY MOUNTED SYSTEM FY25					
Year	MONTH	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	5 yr AVG (m3)
2024	JUL	46,502	0	46,502	45,544
2024	AUG	34,728	0	34,728	27,559
2024	SEP	18,360	0	18,360	33,729
2024	OCT	45,073	0	45,073	39,706
2024	NOV	5,720	17,074	22,794	25,101
2024	DEC	20,142	0	20,142	39,396
2025	JAN	21,665	0	21,665	37,002
2025	FEB	43,232	0	43,232	44,389
2025	MAR	46,901	0	46,901	40,417
2025	APR	34,613	0	34,613	50,796
2025	MAY	58,604	0	58,604	54,321
2025	JUN	18,962	0	18,962	26,779
TOTAL		394,502	17,074	411,576	466,740



PUMPING BY JETTY MOUNTED SYSTEM FY26					
Year	MONTH	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	5 yr AVG (m3)
2025	JUL	23,076	0	23,076	40,363
2025	AUG			0	29,309
2025	SEP			0	34,043
2025	OCT			0	44,185
2025	NOV			0	24,193
2025	DEC			0	37,216
2026	JAN			0	37,804
2026	FEB			0	49,256
2026	MAR			0	40,867
2026	APR			0	51,570
2026	MAY			0	54,195
2026	JUN			0	20,645
TOTAL		23,076	0	23,076	463,647



ENVIRONMENTAL MONITORING / BEACH OBSERVATIONS



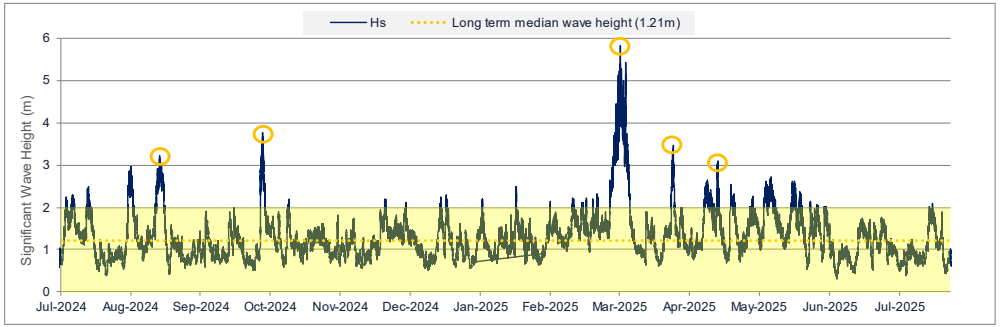
Aug 23 – Jul 24

Estimated transport
460,932 m^3

Aug 24 - Jul 25

Estimated transport
710,444 m^3

(373,440 m^3
in Mar-May 2025)



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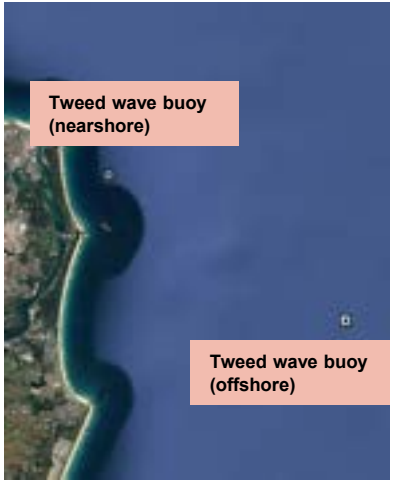
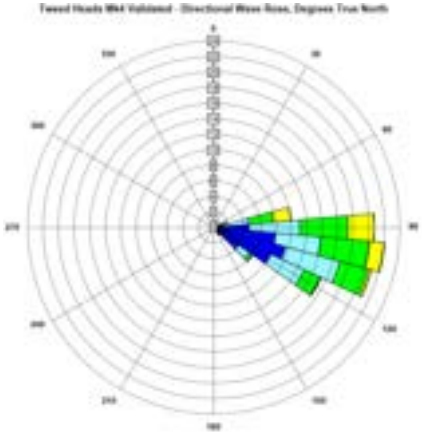


- less than 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- 3.0 - 4.0m
- > 4.0m

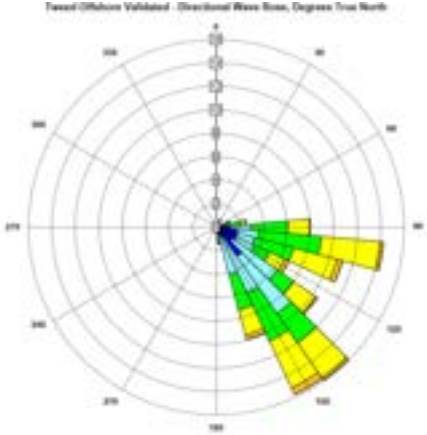
Tweed wave buoy (nearshore)
1 May – 31 July

2024



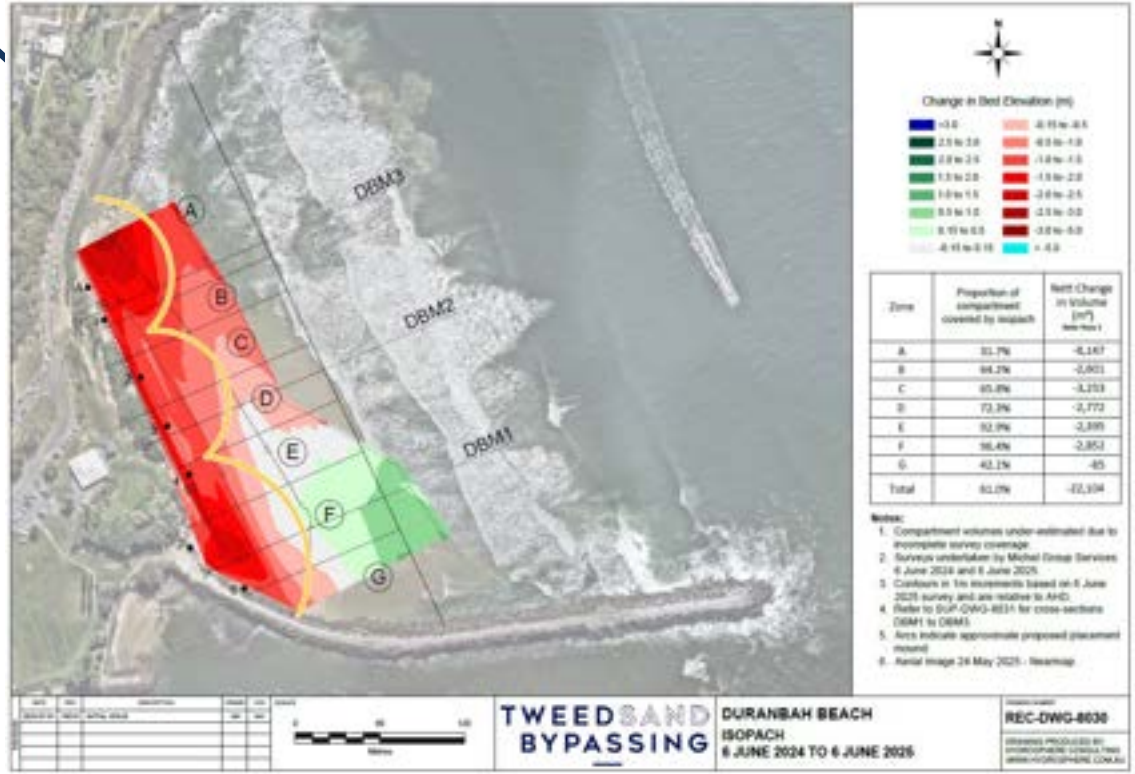
2025

Tweed wave buoy (offshore)
1 May – 31 July



2025

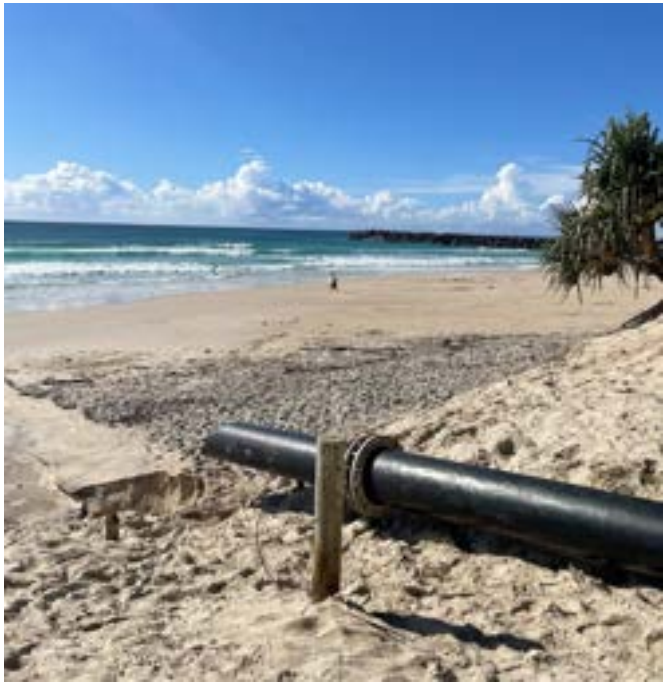
DURANBAH NOURISHMEN



DURANBAH NOURISHMENT

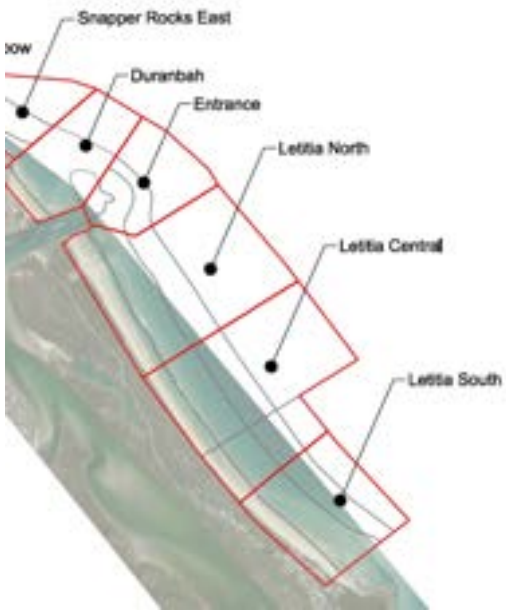
Southern corner

Central setup

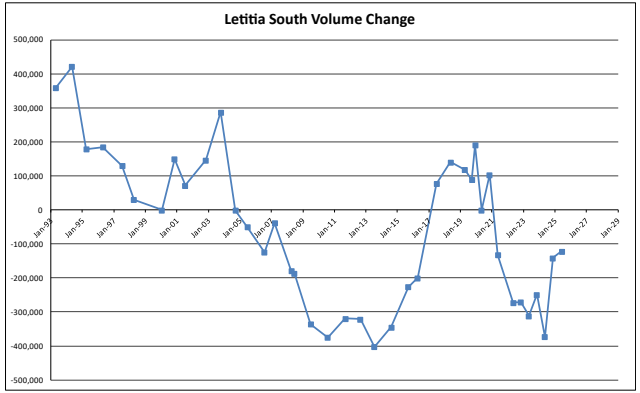


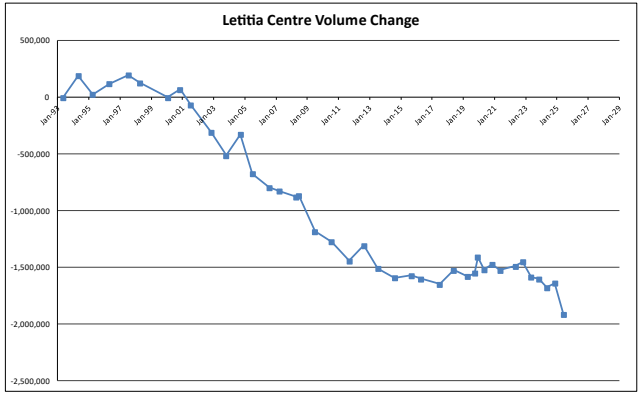
DURANBAH NOURISHMENT

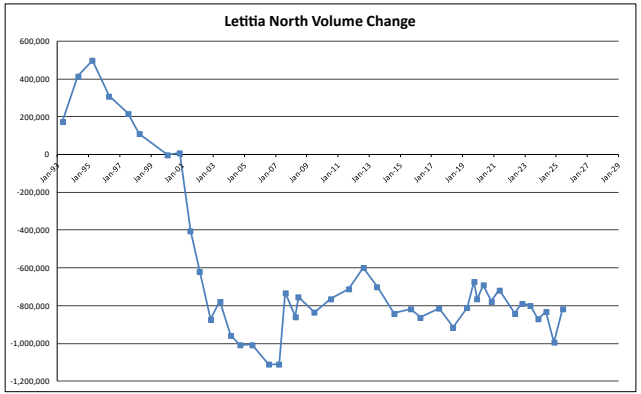
VOLUME ANALYSIS

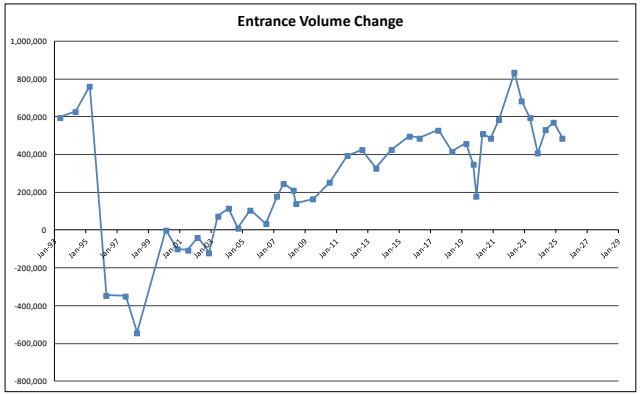


Up to July 2025









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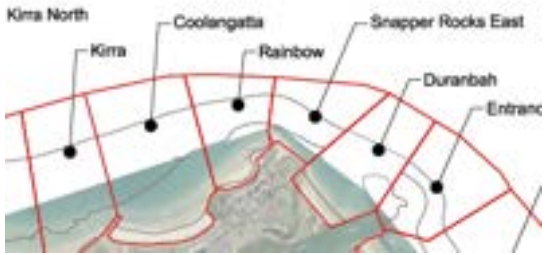
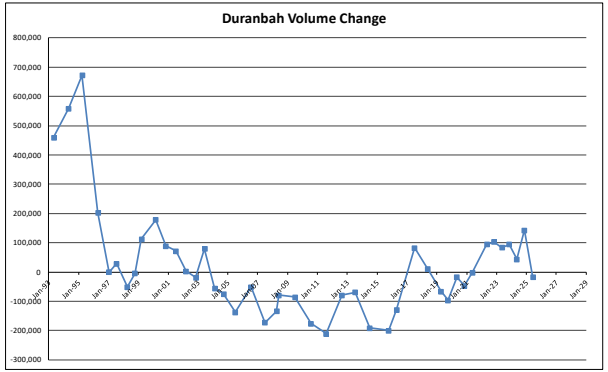
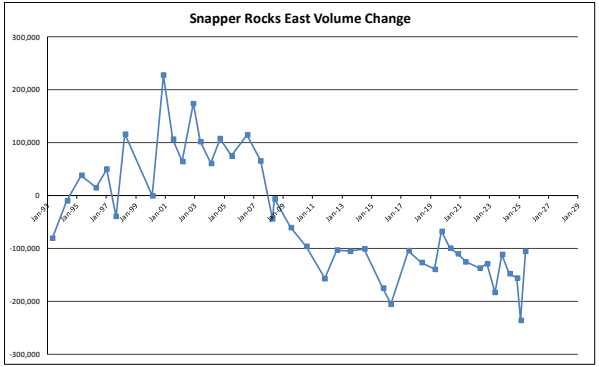
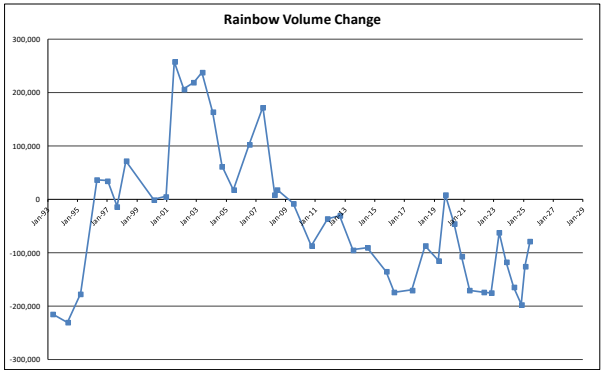
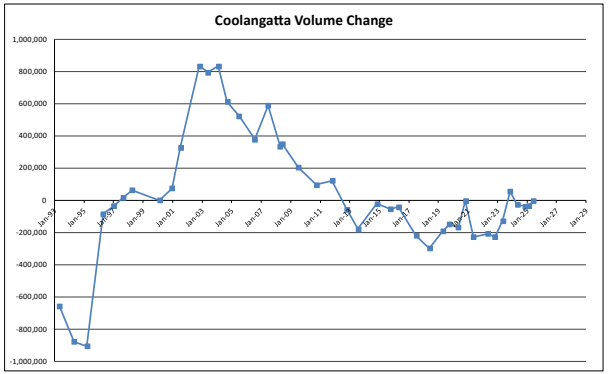


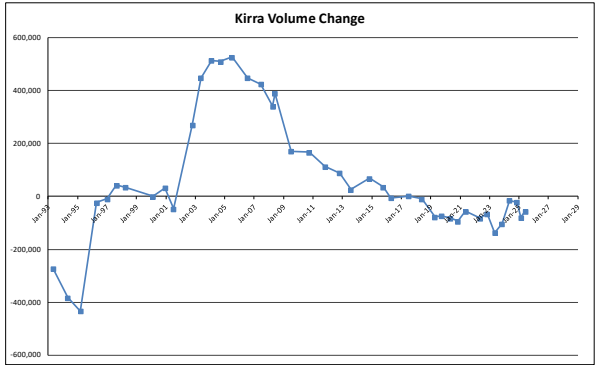
Up to July 2025











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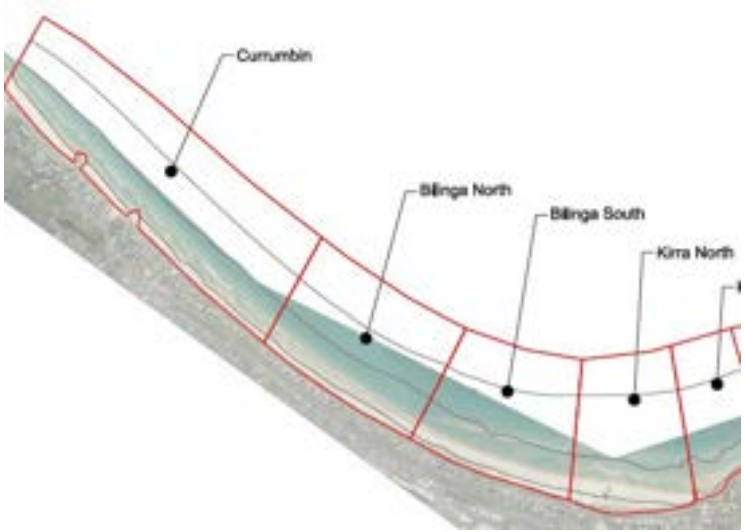
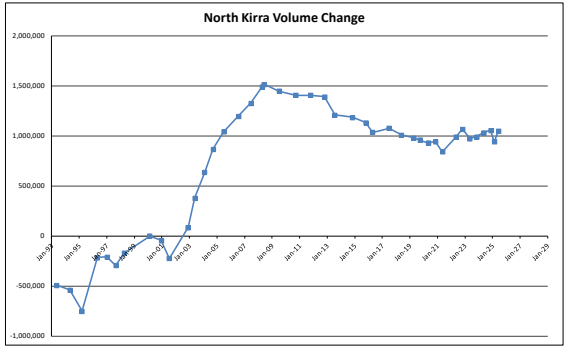
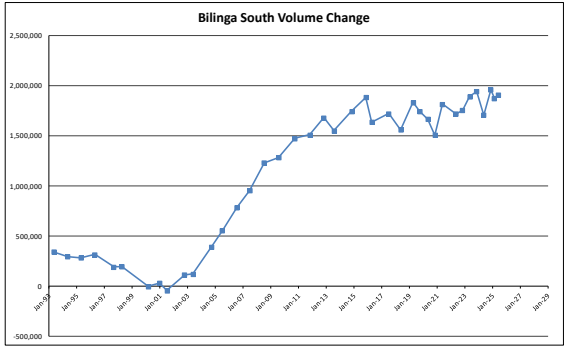
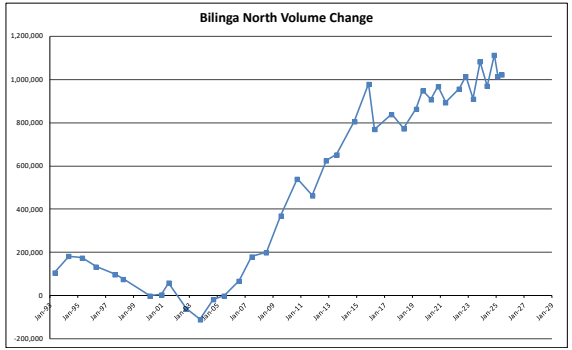
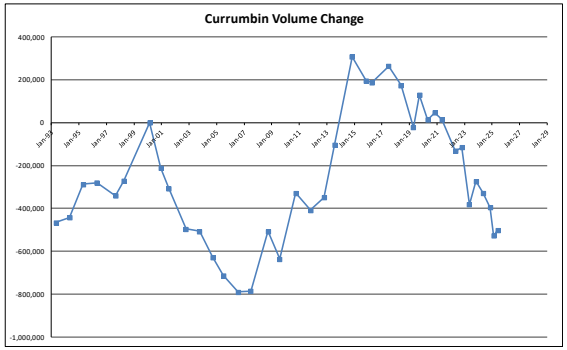






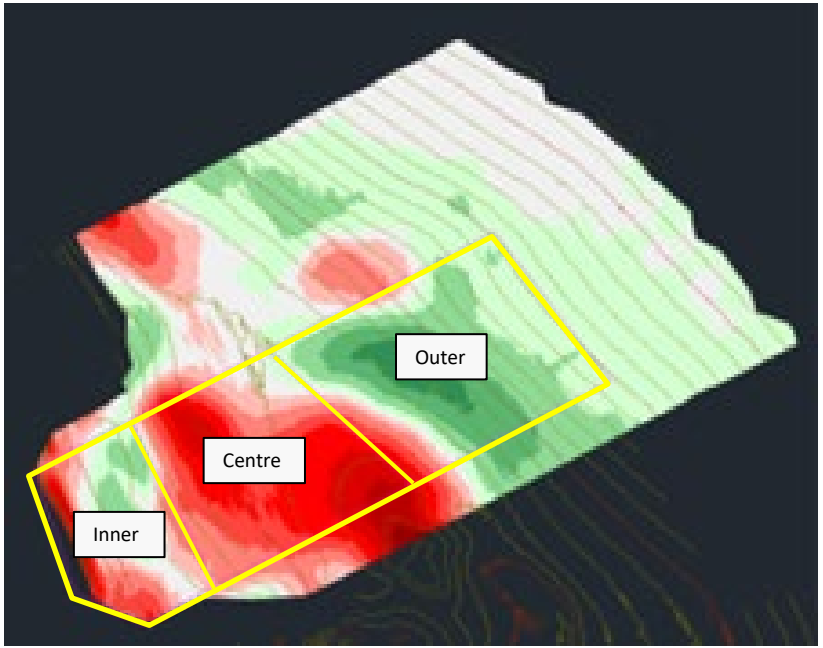


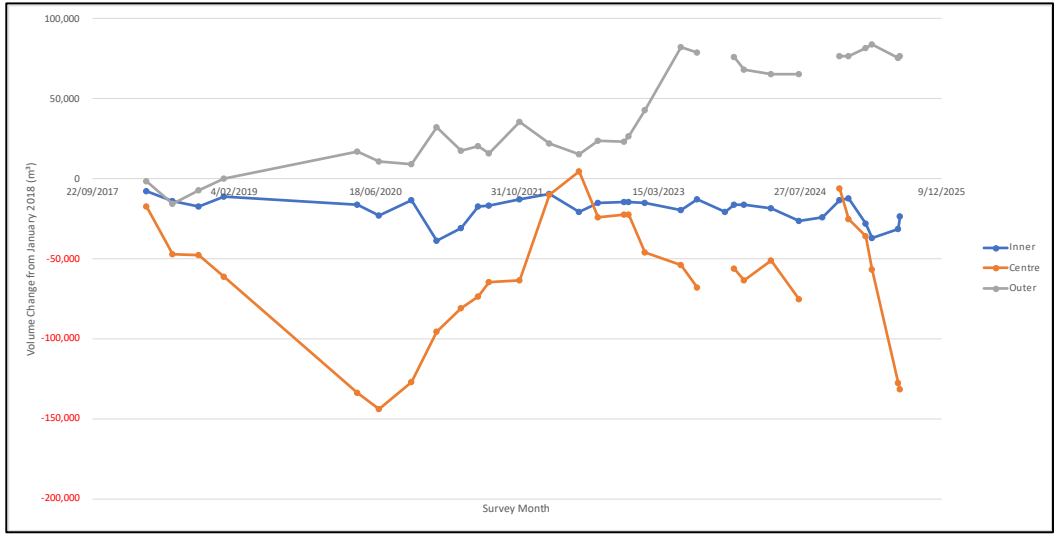


Up to July 2025

VOLUME ANALYSIS

Cudgen Beach





HYDROGRAPHIC SURVEY ISOPACH - DECEMBER 2024 TO JULY 2025

FINGAL

17 April 2025

14 July 2025

FINGAL

3 July 2025

18 Aug 2025

LETITIA

17 April 2025

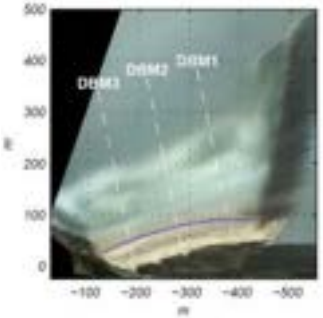
14 July 2025

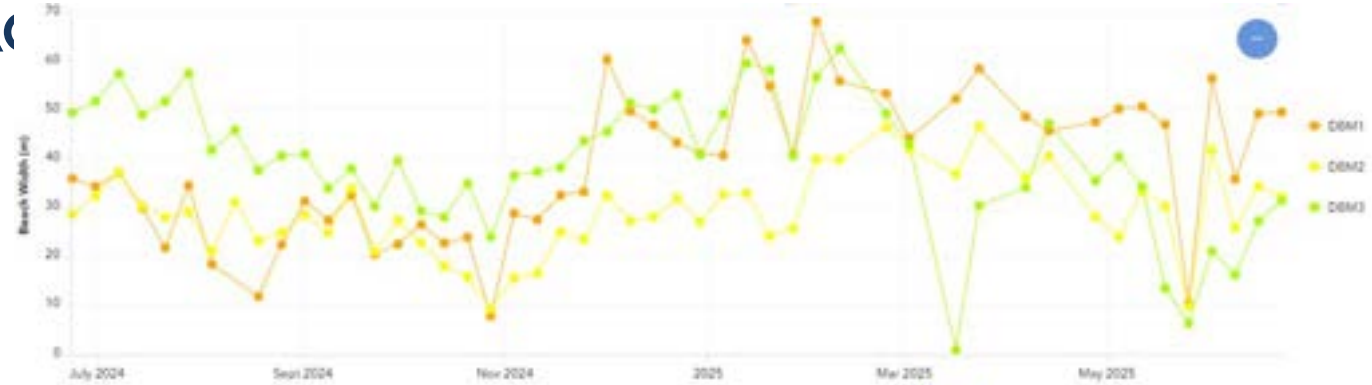
DURANBAH BEACH

17 April 2025

14 July 2025

DURANBAH BEAC





SOUTHERN GOLD COAST

17 April 2025

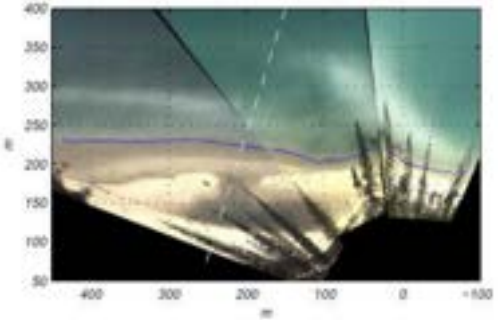
14 July 2025

SNAPPER ROCKS RAINBOW BAY

17 April 2025

14 July 2025

RAINBOW BAY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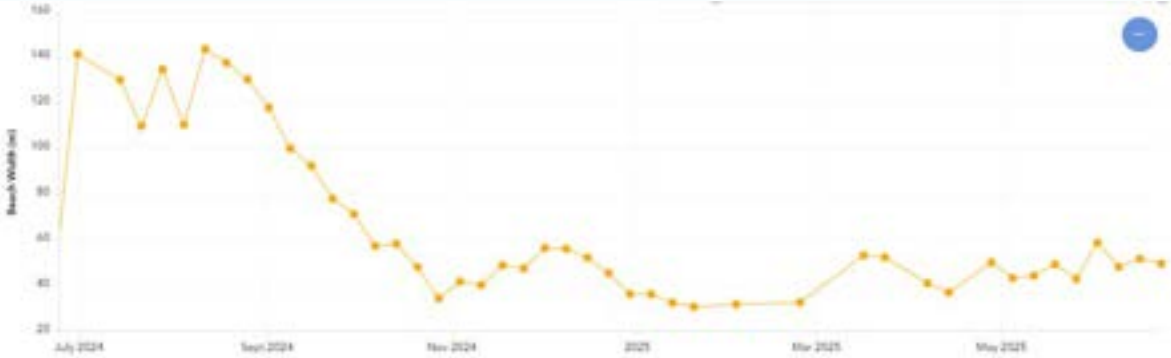
300
250
200
150
100
50
400
300
200
100
0
-100


Beach Width (m)
July 2024
Sept 2024
Nov 2024
2025
Mar 2025
May 2025

30 April 2025

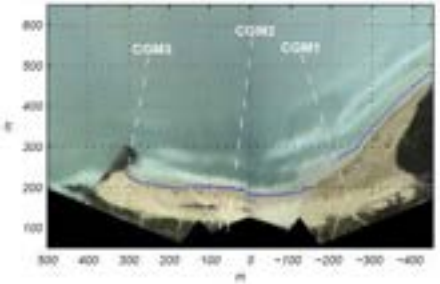
31 July 2025

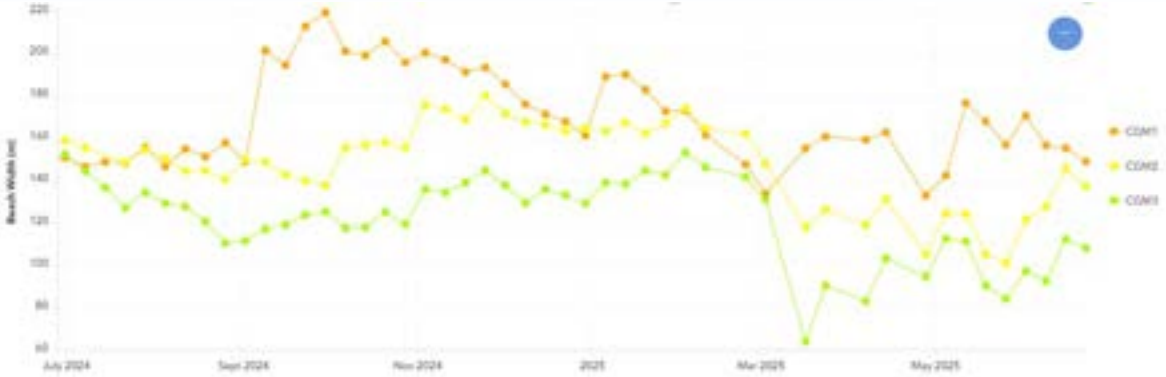
OOLANGATT

17 April 2025

14 July 2025

COOLANGATTA



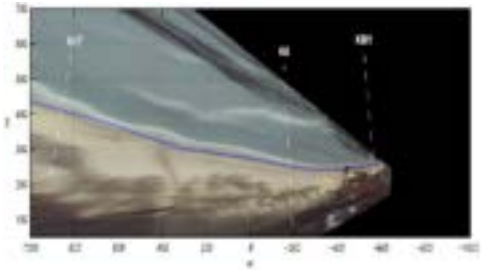


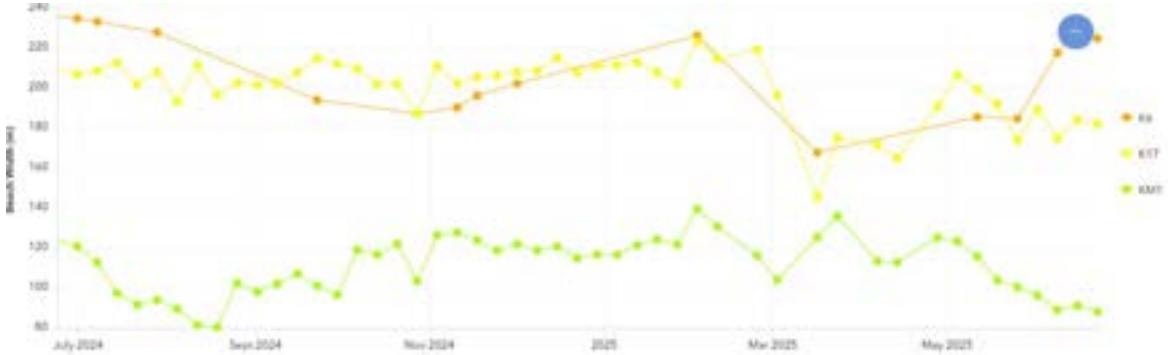
KIRRA

17 April 2025

14 July 2025

KIRRA




240
220
200
180
160
140
120
100
80
Beach Width (m)
July 2024
Sept 2024
Nov 2024
2025
Mar 2025
May 2025
Kir
KST
KMT

30 April 2025

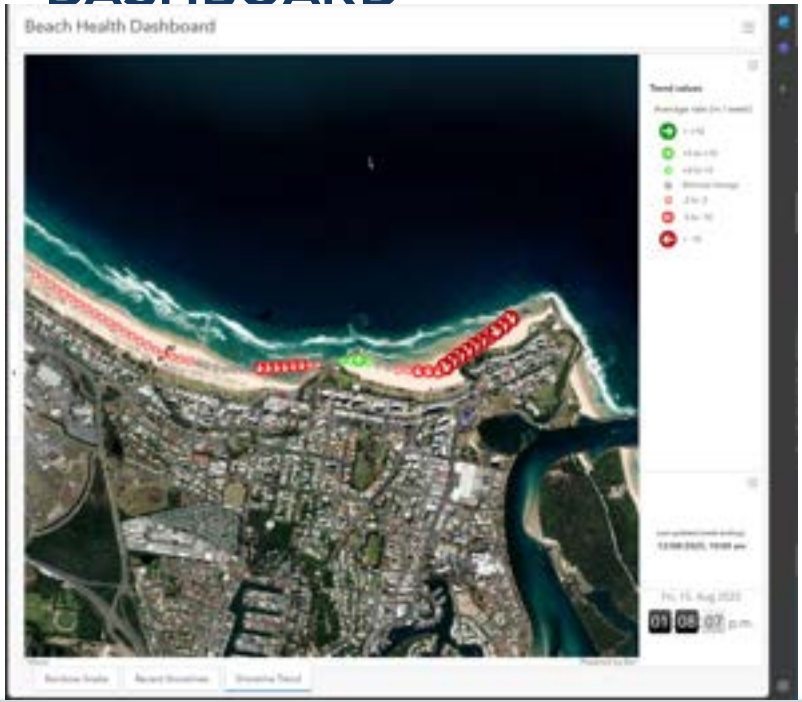
31 July 2025

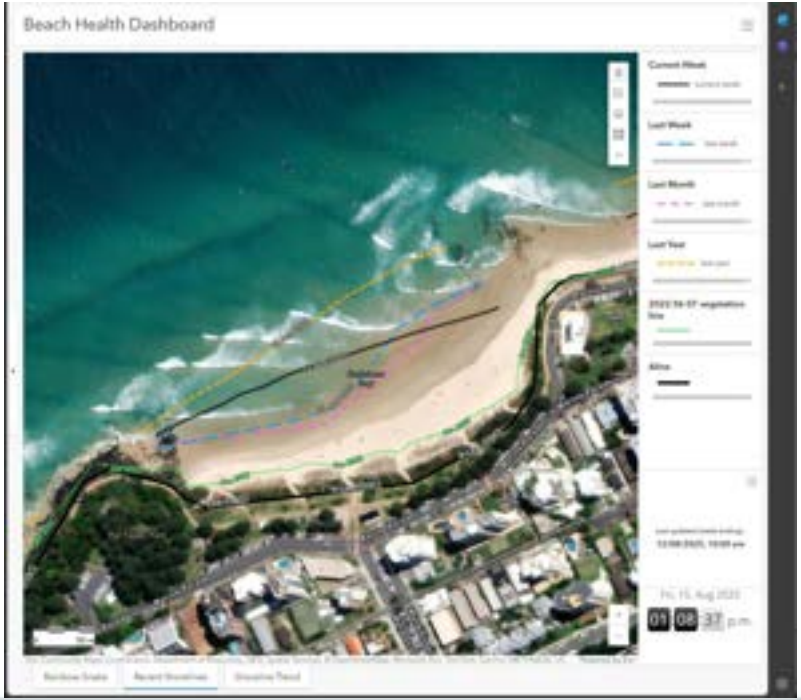
BILINGA

17 April 2025

14 July 2025

BEACH HEALTH DASHBOARD





SURF CONDITIONS - KIRRA

June 2025

August 2025

August 2025

SURF CONDITIONS – SNAPPER / RAINBOW

SURF CONDITIONS – DURANBAH

July 2025

August2025

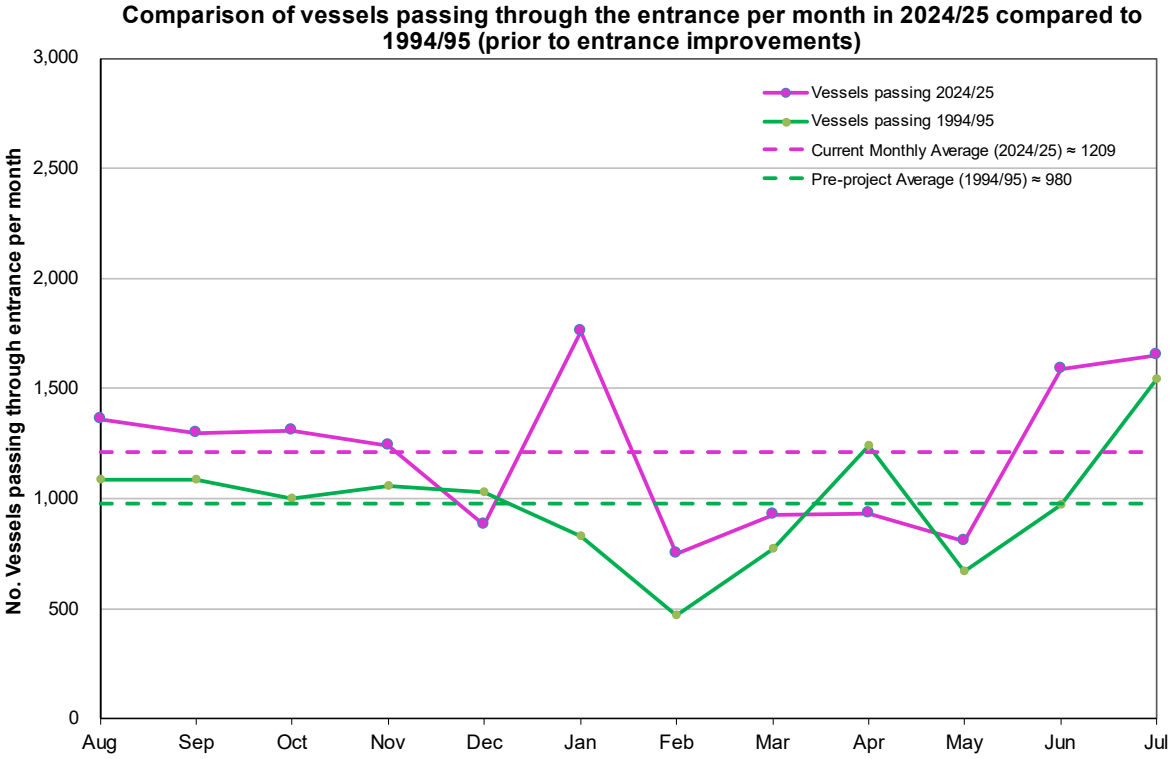
June 2025

ENTRANCE CONDITIONS, USAGE AND SURVEY

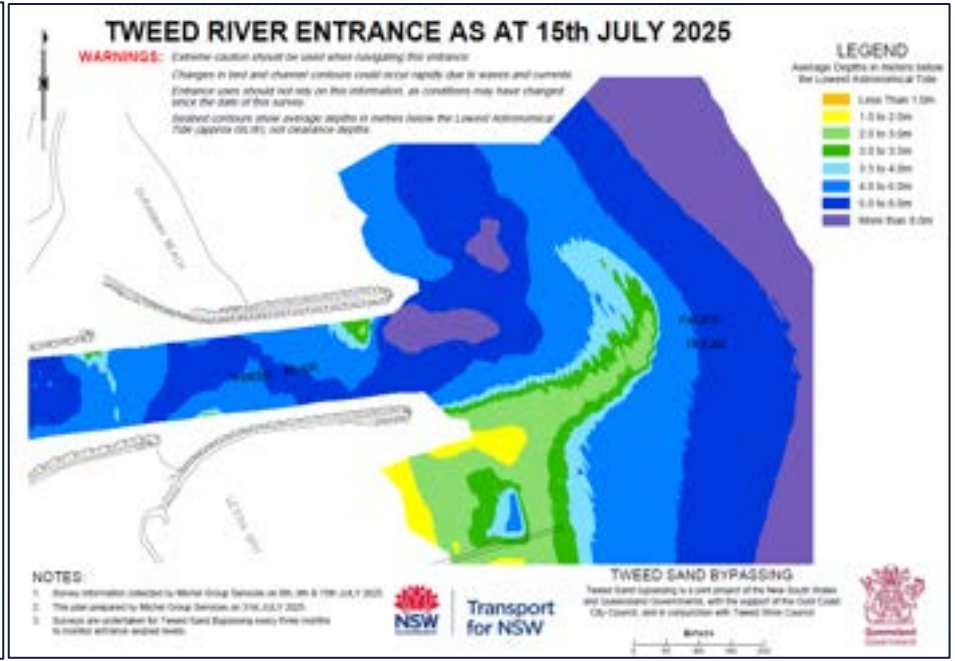
14 July 2025

ENTRANCE USAGE

- **Vessel numbers tracking above average between May - July.**



TWEED RIVER ENTRANCE SURVEY



PROJECTS AND ENHANCEMENTS

High Pressure pump	New high-pressure pump on order. Delivery within coming months.
Northern access to Letitia compound	Northern access to compound reinstated. Entry gates and parking restrictions installed.
Dredging 2025	Open tender July/Aug. Dredging of entrance planned Sept/Oct 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 count data being reviewed, Shorebird monitoring commencing in the coming weeks, Reef Monitoring complete.

LTA TRACKING TOOL

COMMUNICATIONS AND ENGAGEMENT

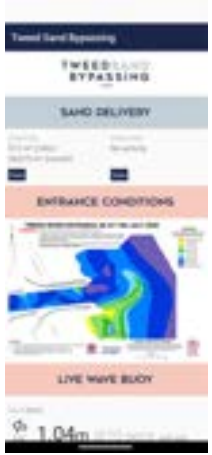
TSB presented at the Queensland Coastal Conference / National Coast to Coast Conference.

Jetty tour conducted for Qld government executive staff and AC member.

Routine App and website maintenance. Duranbah Instagram posts.

Community survey planned for later in FY2026

TSB Annual Report FY24/25 available on website.



TWEED SAND BYPASSING

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