

TWEED SAND BYPASSING

MEETING DETAILS	
Meeting Title:	Tweed Sand Bypass Advisory Committee (AC)
Meeting No.:	03-2022
Date / Time:	5:00pm 24 August 2022
Location:	Kirra Hill Community Centre
Attendees:	Celine Roux – QLD AC Member Anthony Johansson – NSW AC Member Jane Lofthouse – NSW AC Member Adrian Barwick – NSW AC Member Councillor Gail O'Neill – QLD AC Member Gary Fisher – NSW AC Member Bruce Harper Tui Williams Kim Bowra Matthew Harry Darren Wood
Absent / Apologies:	Absent: John Ede, Wayne Bartholomew
Minutes Prepared By:	K. Bowra
WBS:	M.07

AGENDA				
Item	Description	Start	Finish	Duration
1	Welcome and apologies			
2	Community beach and entrance reports / AC member reports			
3	Project monitoring and operational overview <ul style="list-style-type: none"> Sand bypassing system operations + delivery program Environmental monitoring Entrance conditions, usage and survey Projects and enhancements Communications 			
4	Committee Comments / Questions (All)			

MEETING MINUTES	
Item:	Description
1.	Introductions and AC updates

TWEED SAND BYPASSING

MEETING MINUTES	
Item:	Description
2.	<p>No beach and community user reports to share (no submissions from SLSC / Boardriders etc)</p> <p>Gary Fisher:</p> <ul style="list-style-type: none"> - Ashley Blank is the new Fingal Rovers President (replacing Jane Colvin) - Erosion evident along dream time beach, rocks exposed in the corner of Fingal <p>Peter Turner:</p> <ul style="list-style-type: none"> - Lots of swell, beaches have held up and the condition of the banks have been good. <p>Gail O'Neal:</p> <ul style="list-style-type: none"> - World Surf Reserve Steering Committee met recently. 3- 4 surfers present who spoke about infrastructure works and surf impact on southern Gold Coast (Palm Beach artificial reef). No reference to TSB. - Debris in water from floods, took a while to clean up <p>Jane Lofthouse:</p> <ul style="list-style-type: none"> - Erosion along most of Tweed beaches, however the beaches were healthy so have withstood the impacts. <p>Adrian Barwick:</p> <ul style="list-style-type: none"> - Entrance non-compliant - Dredging update provided - Durambah upper beach has held in well considering the amount of swell lately - Condition of southern GC beaches also remain healthy and in good condition with healthy volumes of sand being delivered via pumping. <p>Bruce Harper:</p> <ul style="list-style-type: none"> - Acting Director QGHL and Project Director QLD TRESBP
3.	Tui Williams – Environmental Planning Officer provided presentation (attached) to group (17:22) with input from other TSB team members.
	Meeting end: 18:15
	Next meeting: 16 November 2022

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Advisory Committee Meeting

24 August 2022

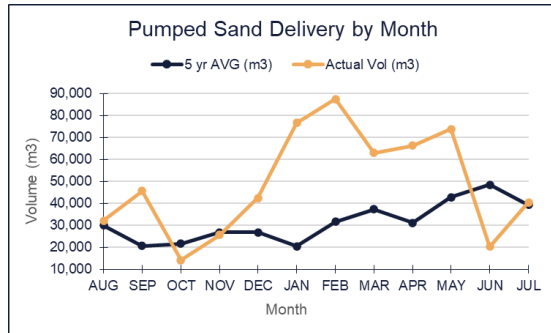
Project monitoring and operational overview

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



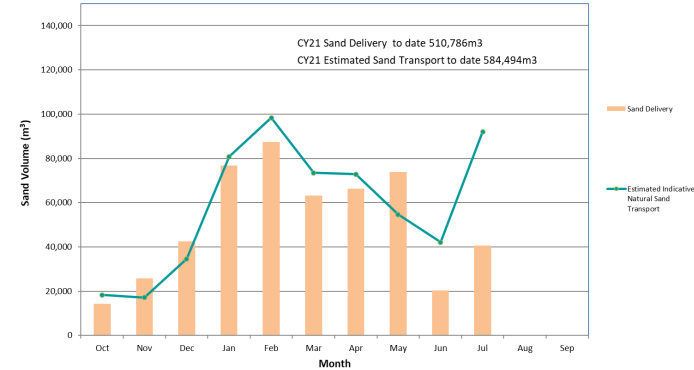
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Pumping operations 2022



5 yr Avg Vol - Aug to July = 377,480m³
 Act Vol – Aug '22 to July '22
 = 588,561m³

PUMPING BY JETTY MOUNTED SYSTEM 2022				
MONTH	Vol SRE (m3)	Vol D'Bah (m3)	Total Vol (m3)	AVG (2017-2021) (m3)
JAN	76,670	0	76,670	20,473
FEB	56,018	31,502	87,520	31,642
MAR	63,092	0	63,092	37,290
APR	66,392	0	66,392	31,266
MAY	73,797	0	73,797	42,847
JUN	20,317	0	20,317	48,578
JUL	29,130	11,445	40,575	39,333
AUG			0	28,636
SEP			0	26,424
OCT			0	21,637
NOV			0	26,921
DEC			0	26,864
TOTAL	385,416	42,947	428,363	381,910



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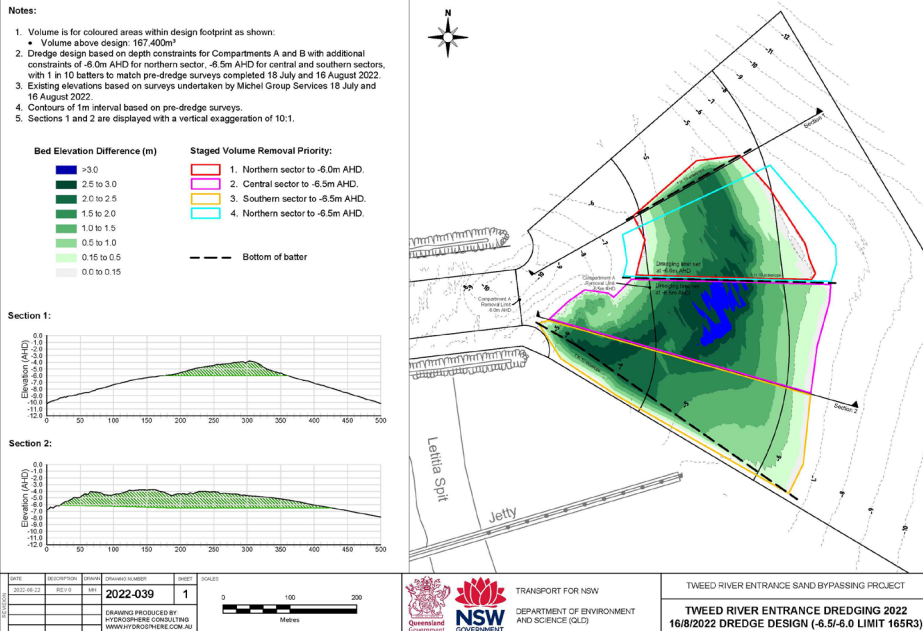
Duranbah Delivery during July swell



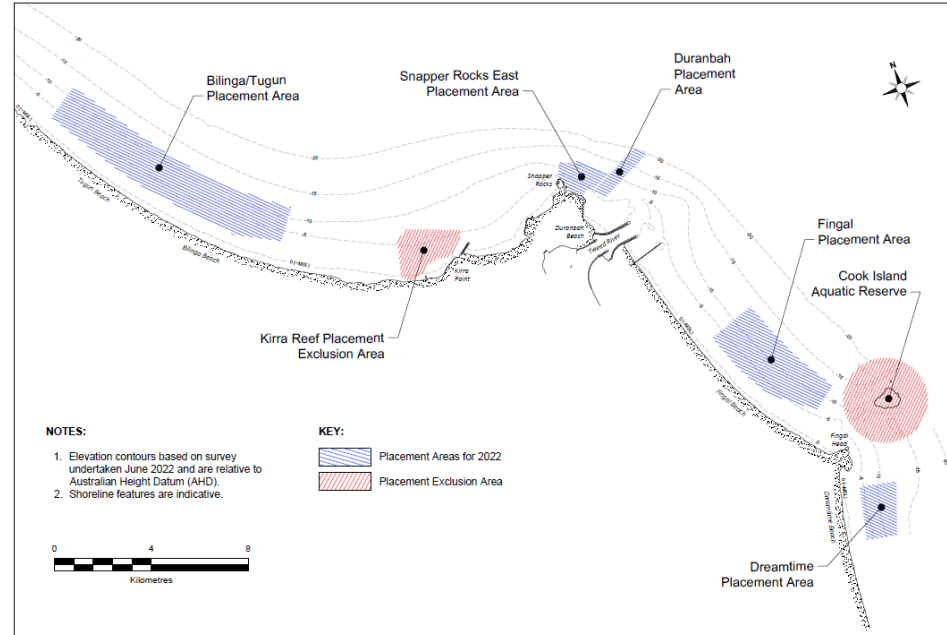
Pumping to Duranbah during swell of 21 to 24 July

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2022 Dredge Preparation



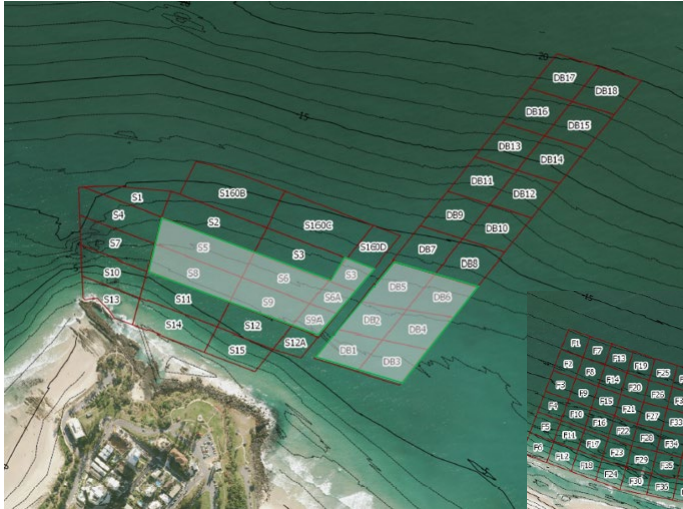
Removal design



2022 placement areas

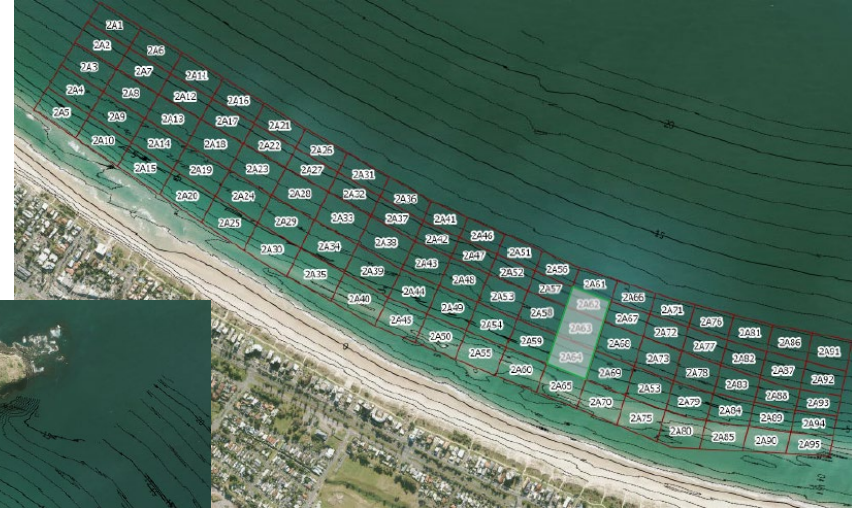
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2022 Dredge preparation



Snapper Rocks and Duranbah
approximately 45,000m³ each

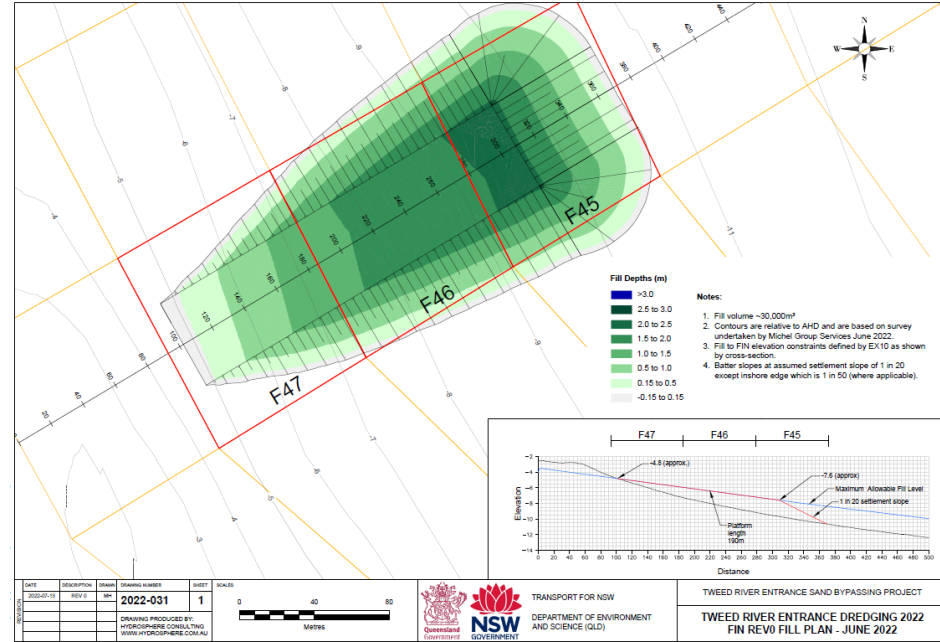
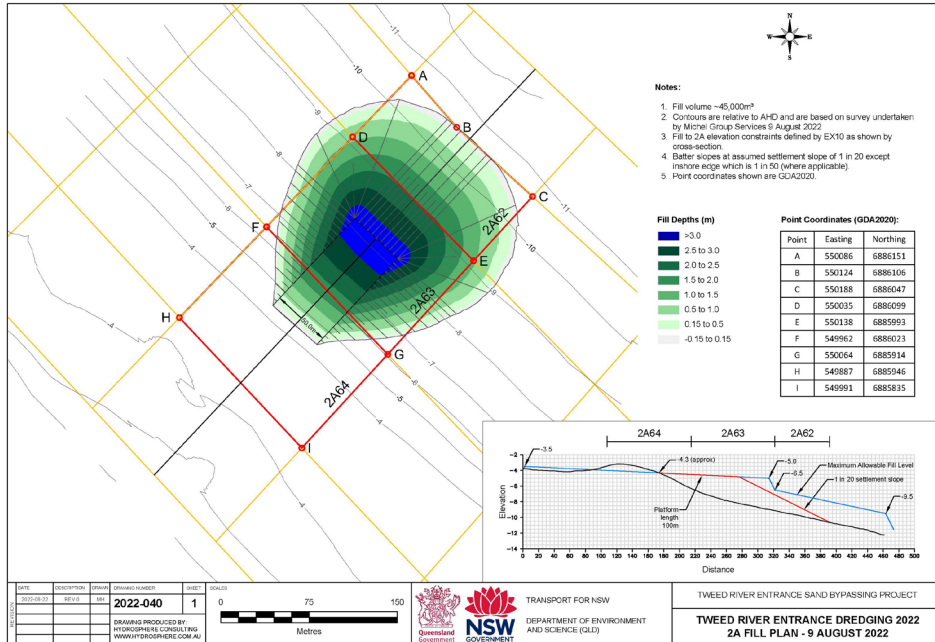
Fingal and Dreamtime
approximately
30,000m³ and 20,000m³
respectively



Bilinga approximately 45,000m³

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2022 Dredge preparation

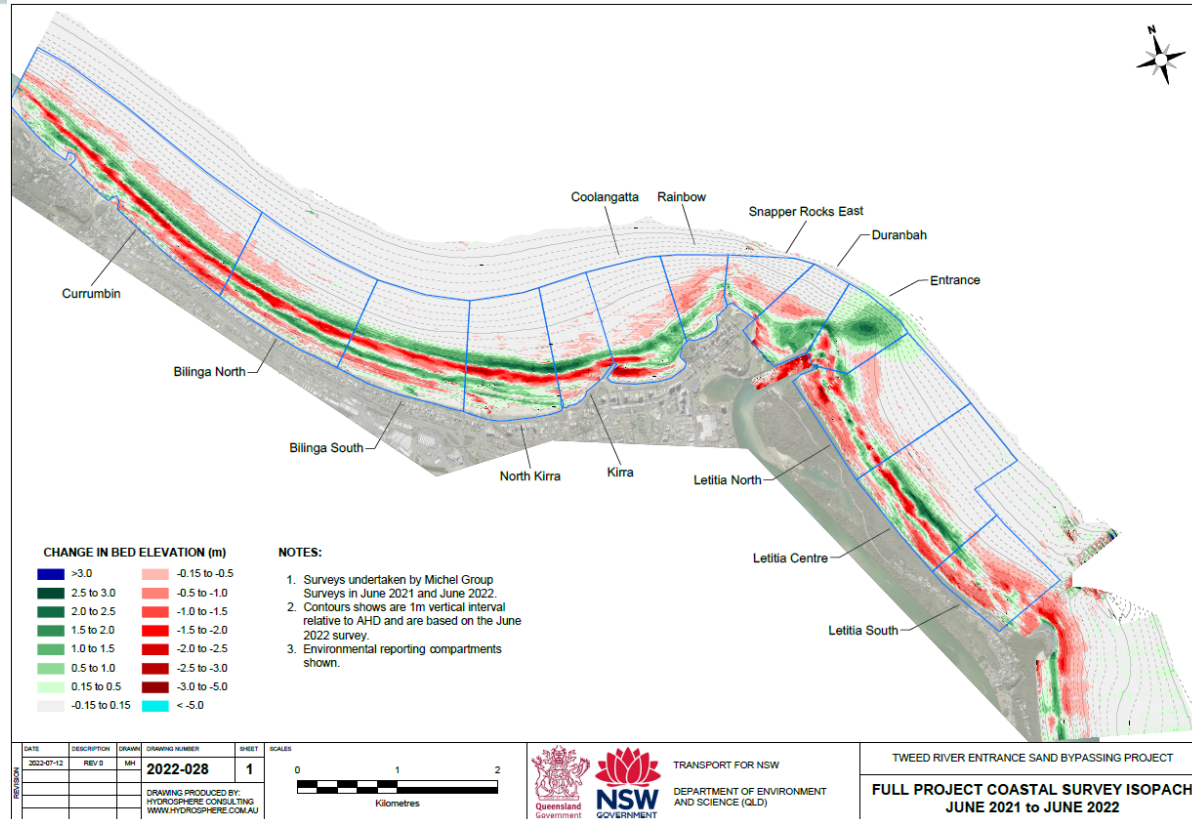


Bilinga PLACEMENT AREA MONITORING



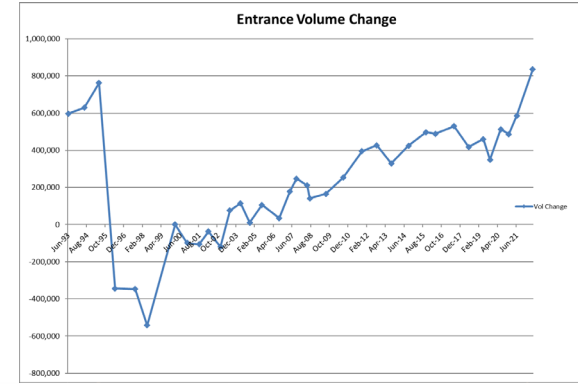
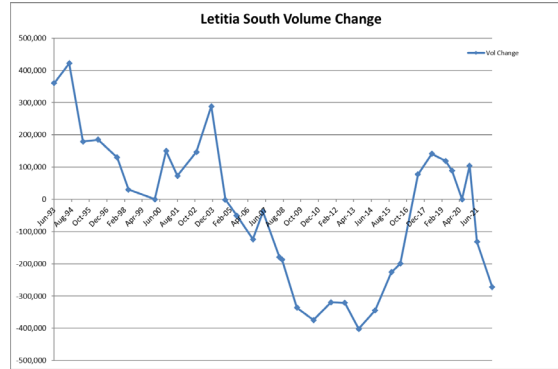
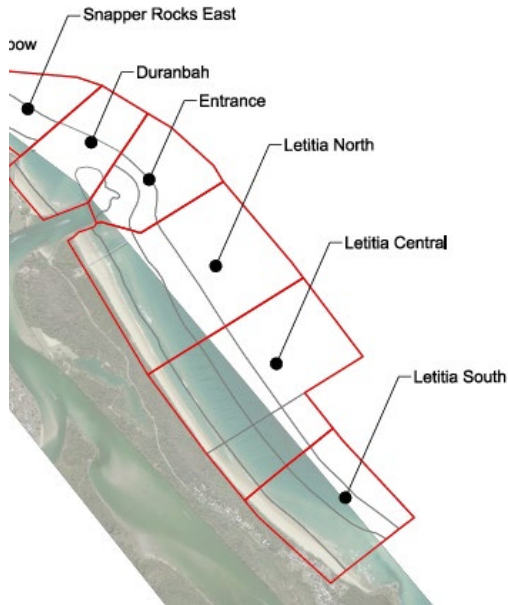
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VOLUME ANALYSIS



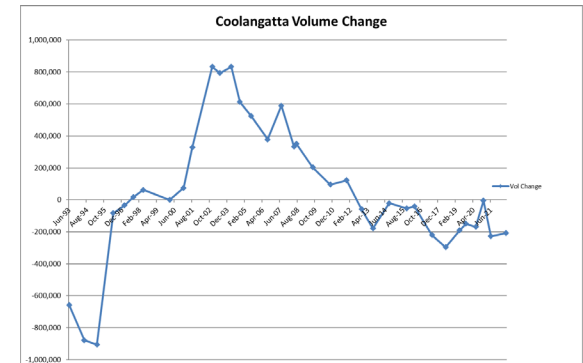
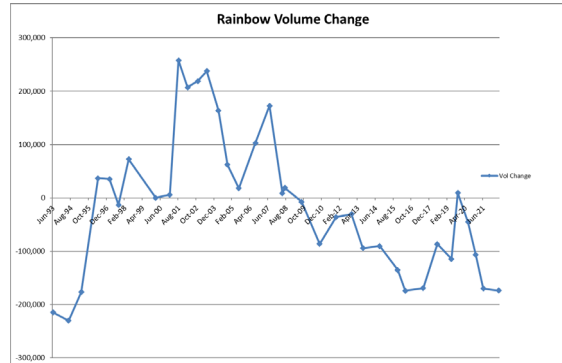
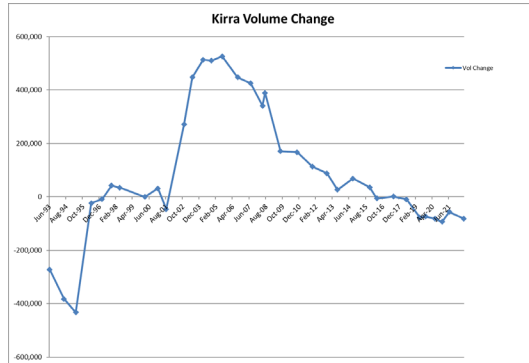
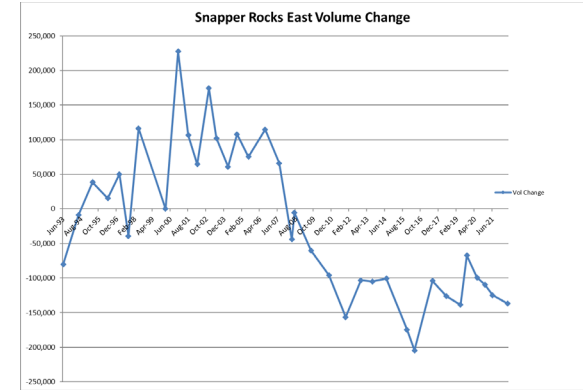
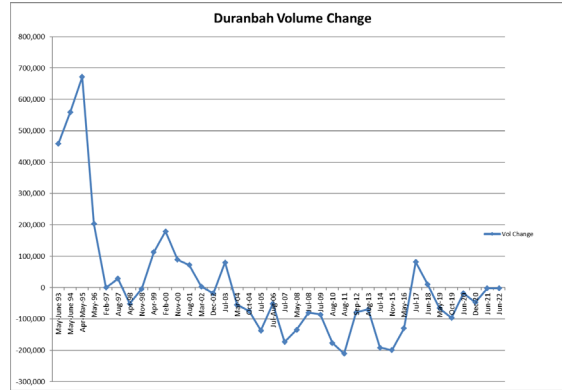
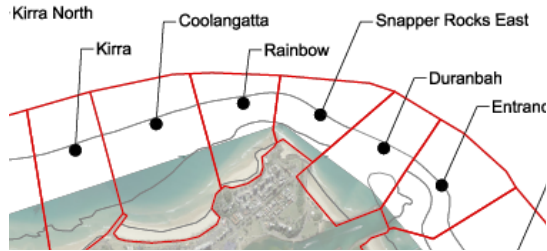
TWEED SAND BYPASSING

VOLUME ANALYSIS



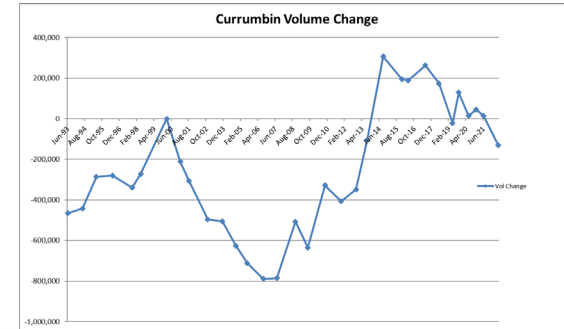
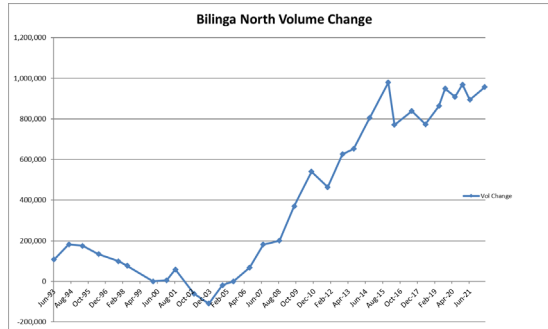
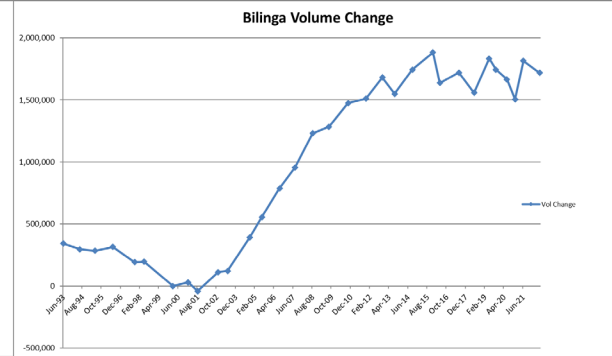
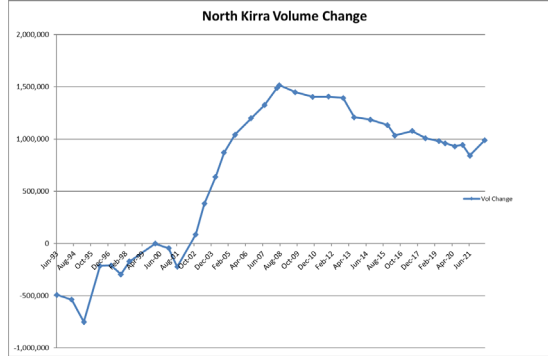
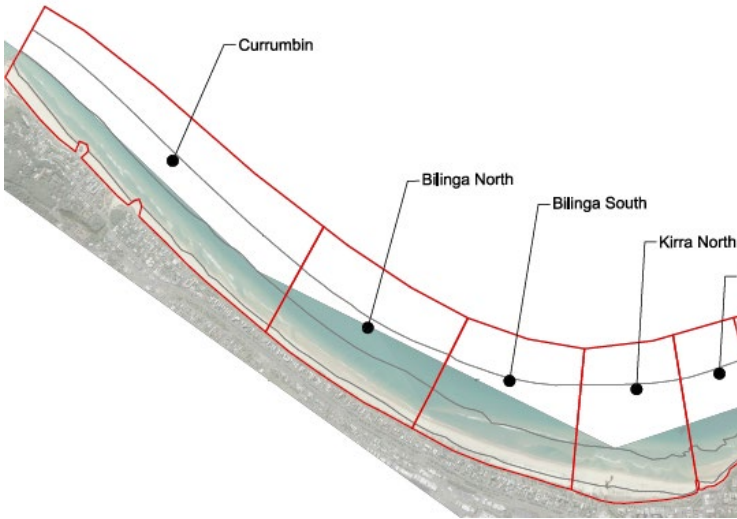
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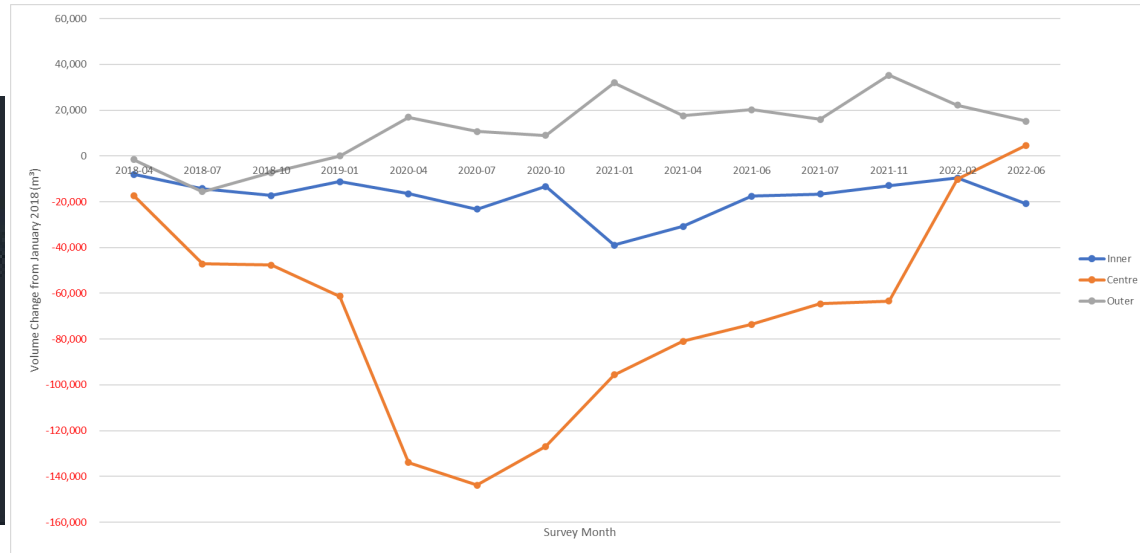
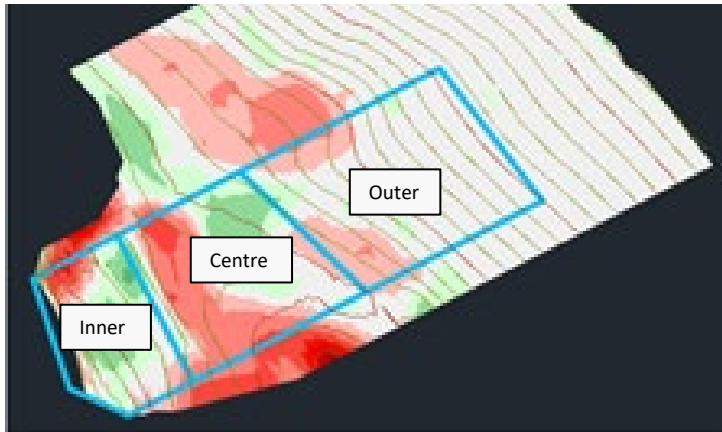
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VOLUME ANALYSIS

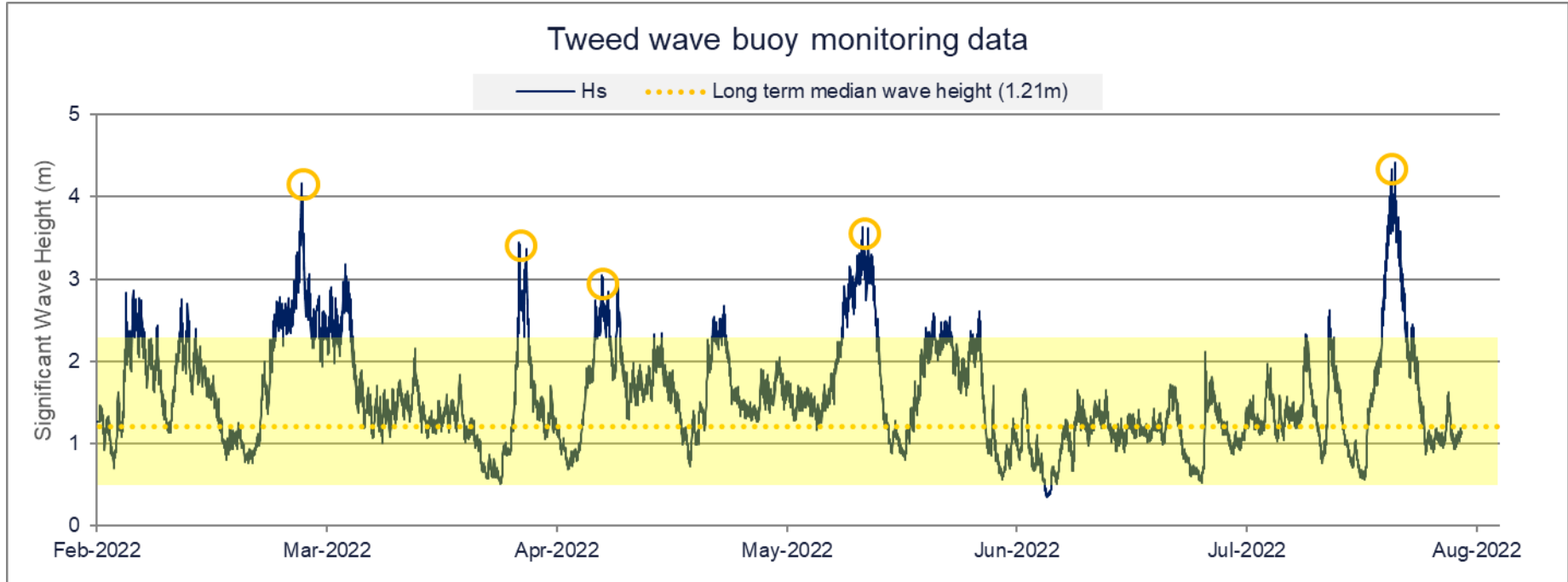


VOLUME ANALYSIS

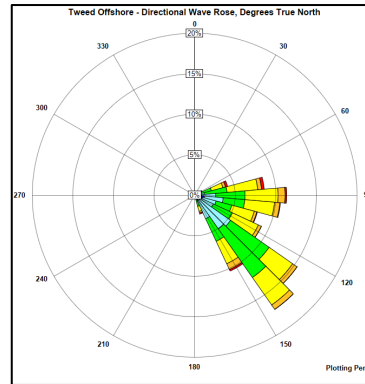
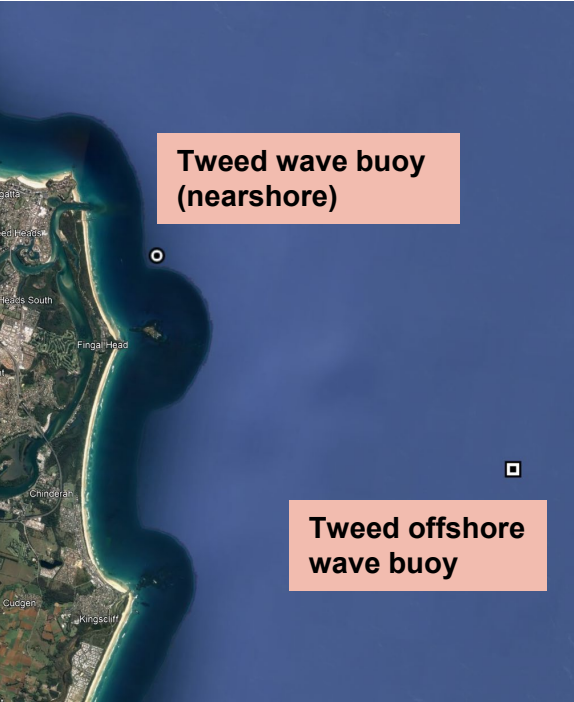
Duranbah Beach



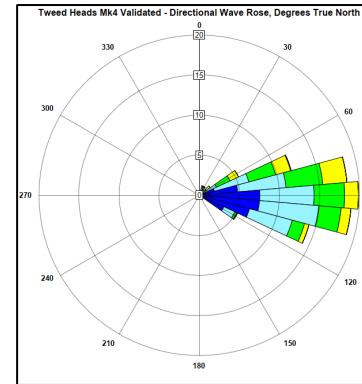
Environmental Monitoring / beach observations



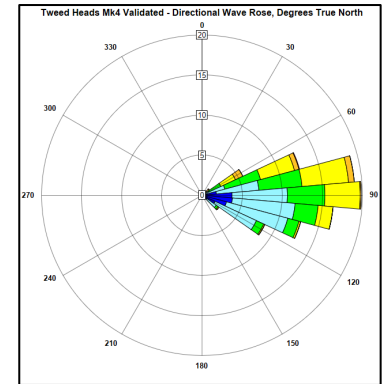
Environmental Monitoring / beach observations



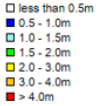
2022 Feb – 2022 Jul
Offshore



2021 Feb – 2021 Jul



2022 Feb – 2022 Jul



TWEED SAND BYPASSING



27 October 2021



1 February 2022

FINGAL



19 April 2022



7 July 2022

TWEED SAND BYPASSING



1 February 2022

LETITIA



19 April 2022



7 July 2022

TWEED SAND BYPASSING



1 February 2022

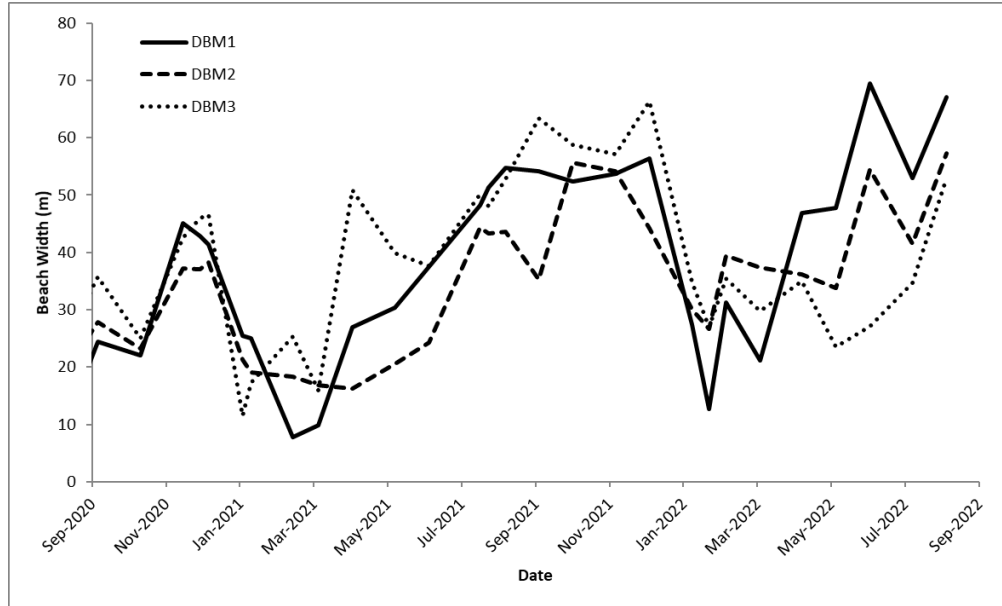
DURANBAH BEACH

19 April 2022

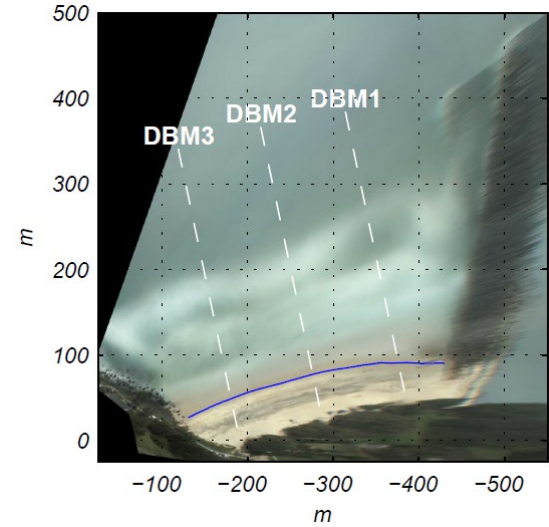


7 July 2022

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**DURANBAH - BEACH
width data**



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1 February 2022

Snapper rocks
Rainbow bay

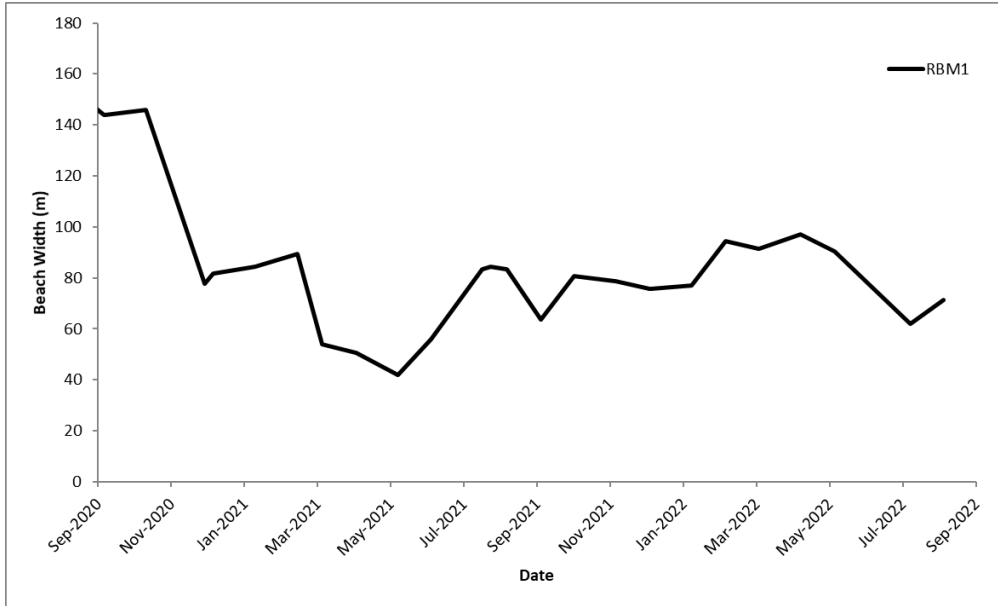


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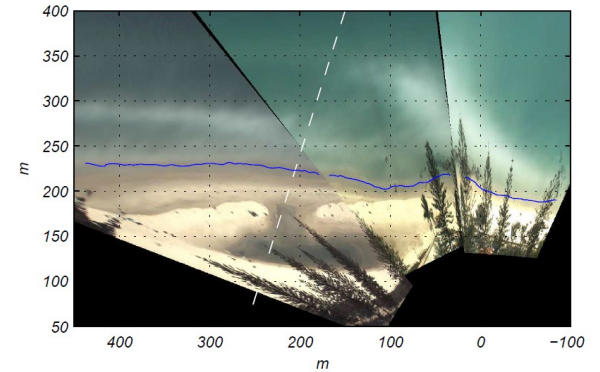


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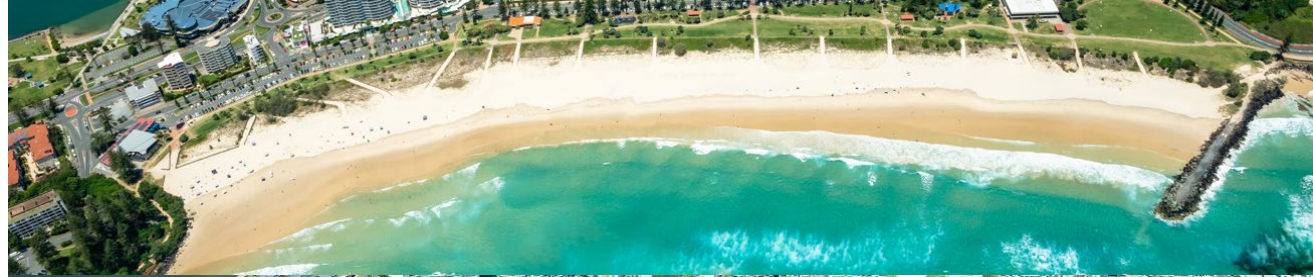


RAINBOW BAY - BEACH width data



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Coolangatta



1 February 2022

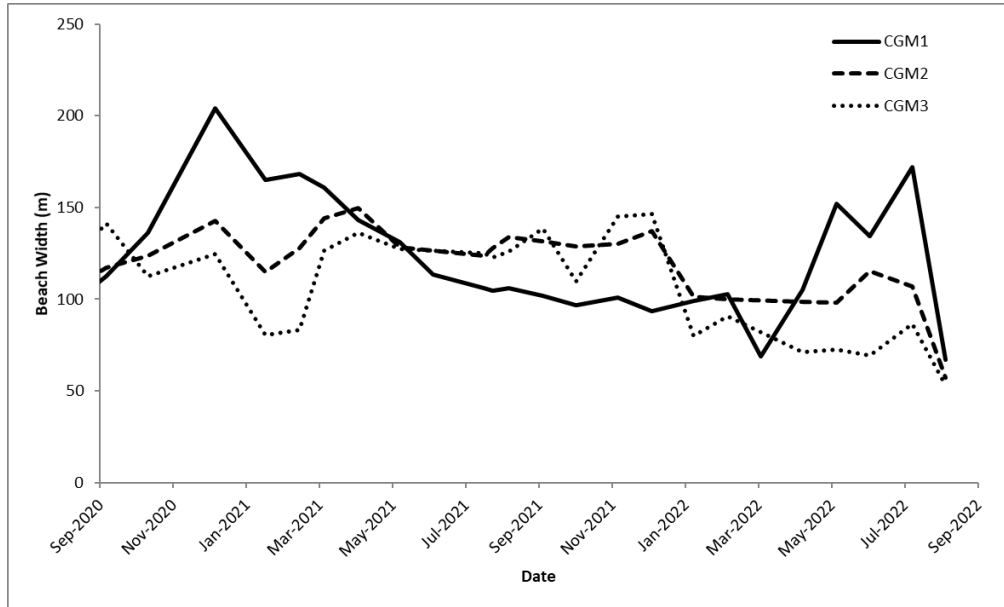


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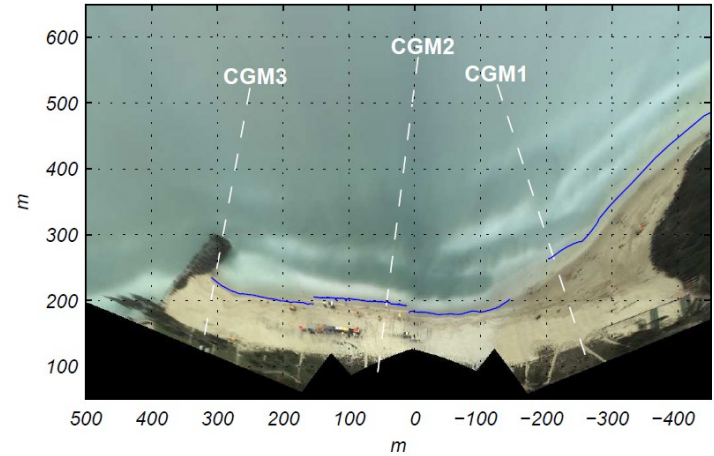


7 July 2022

TWEED SAND BYPASSING



**Coolangatta- BEACH
width data**

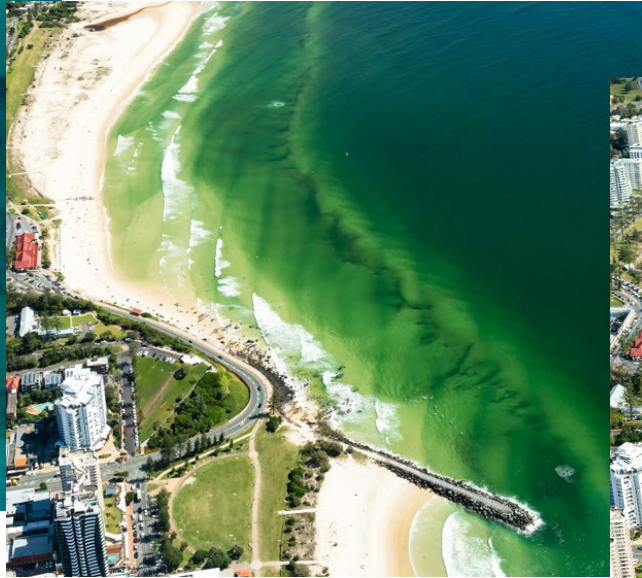


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1 February 2022

Kirra

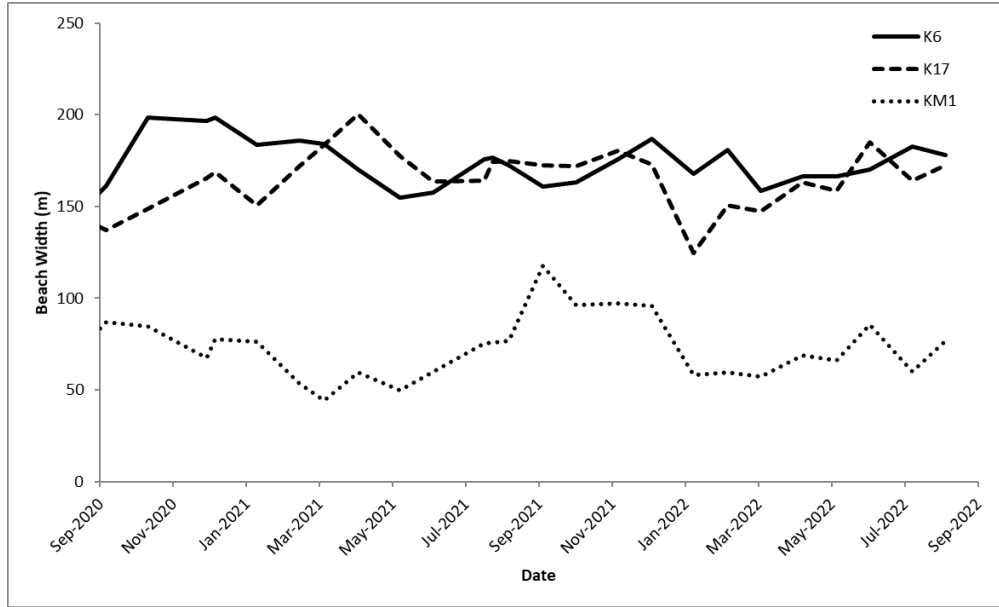


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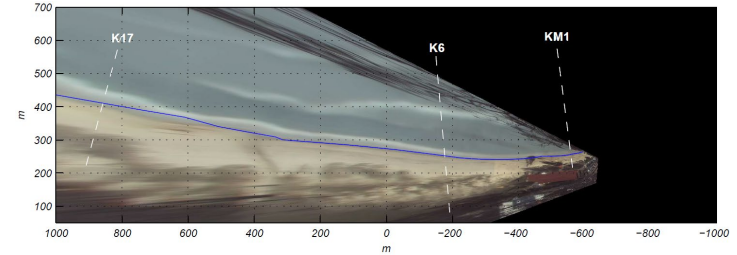
7 July 2022



TWEED SAND BYPASSING



KIRRA- BEACH width data



TWEED SAND BYPASSING



1 February 2022



19 April 2022



7 July 2022



Bilinga

TWEED SAND BYPASSING



7 July 2022

TWEED SAND BYPASSING

Surf conditions



June – Snapper Rocks



June- Duranbah

TWEED SAND BYPASSING

Surf conditions



23 June 2022

TWEED SAND BYPASSING

Entrance conditions, usage and survey



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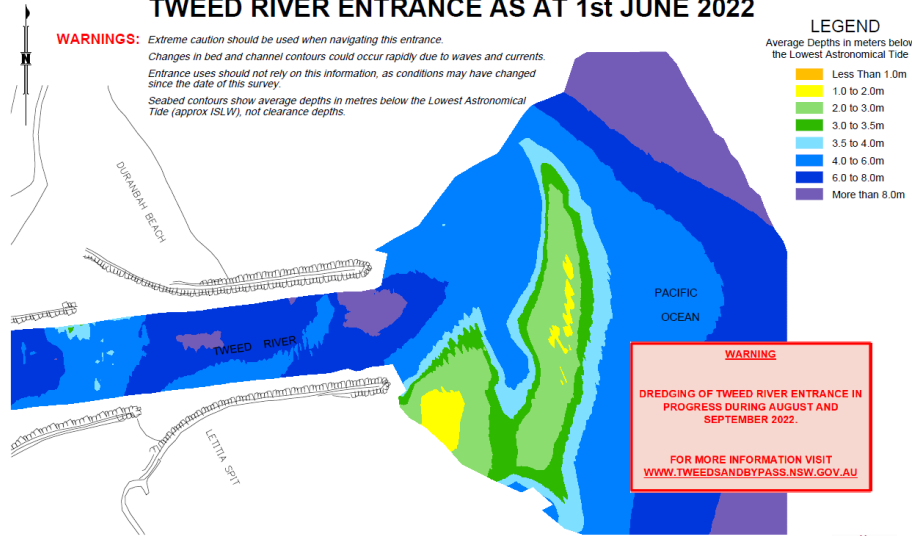
Entrance conditions, usage and survey



TWEED SAND BYPASSING

TWEED RIVER ENTRANCE AS AT 1st JUNE 2022

WARNINGS: Extreme caution should be used when navigating this entrance. Changes in bed and channel contours could occur rapidly due to waves and currents. Entrance uses should not rely on this information, as conditions may have changed since the date of this survey. Seabed contours show average depths in metres below the Lowest Astronomical Tide (approx ISLW), not clearance depths.



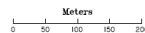
NOTES:

1. Survey information collected by Michel Group Services on 1st JUNE 2022.
2. This plan prepared by Michel Group Services on 17th JUNE 2022.
3. Surveys are undertaken for Tweed Sand Bypassing every three months to monitor entrance seabed levels.



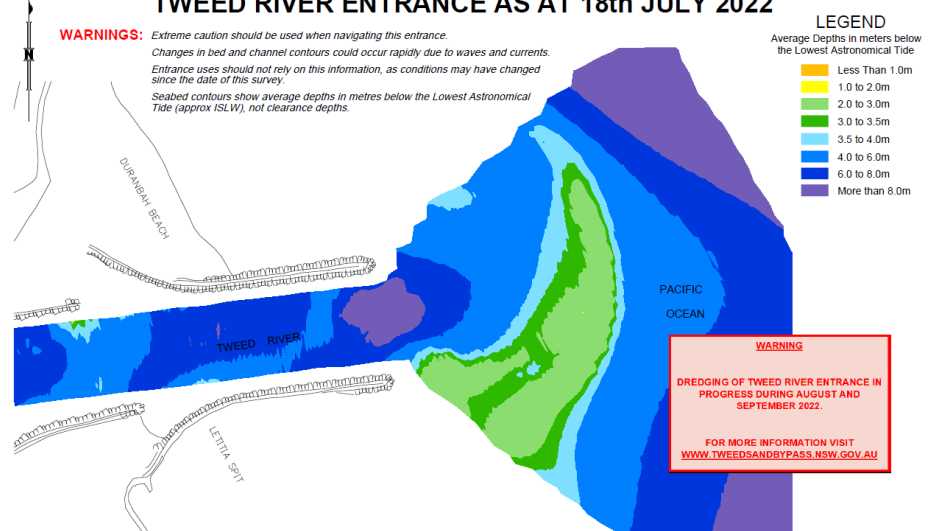
Transport
for NSW

TWEED SAND BYPASSING
Tweed Sand bypassing is a joint project of the New South Wales and Queensland Governments, with the support of the Gold Coast City Council, and in conjunction with Tweed Shire Council.



TWEED RIVER ENTRANCE AS AT 18th JULY 2022

WARNINGS: Extreme caution should be used when navigating this entrance. Changes in bed and channel contours could occur rapidly due to waves and currents. Entrance uses should not rely on this information, as conditions may have changed since the date of this survey. Seabed contours show average depths in metres below the Lowest Astronomical Tide (approx ISLW), not clearance depths.



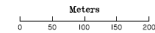
NOTES:

1. Survey information collected by Michel Group Services on 18th JULY 2022.
2. This plan prepared by Michel Group Services on 21st JULY 2022.
3. Surveys are undertaken for Tweed Sand Bypassing every three months to monitor entrance seabed levels.



Transport
for NSW

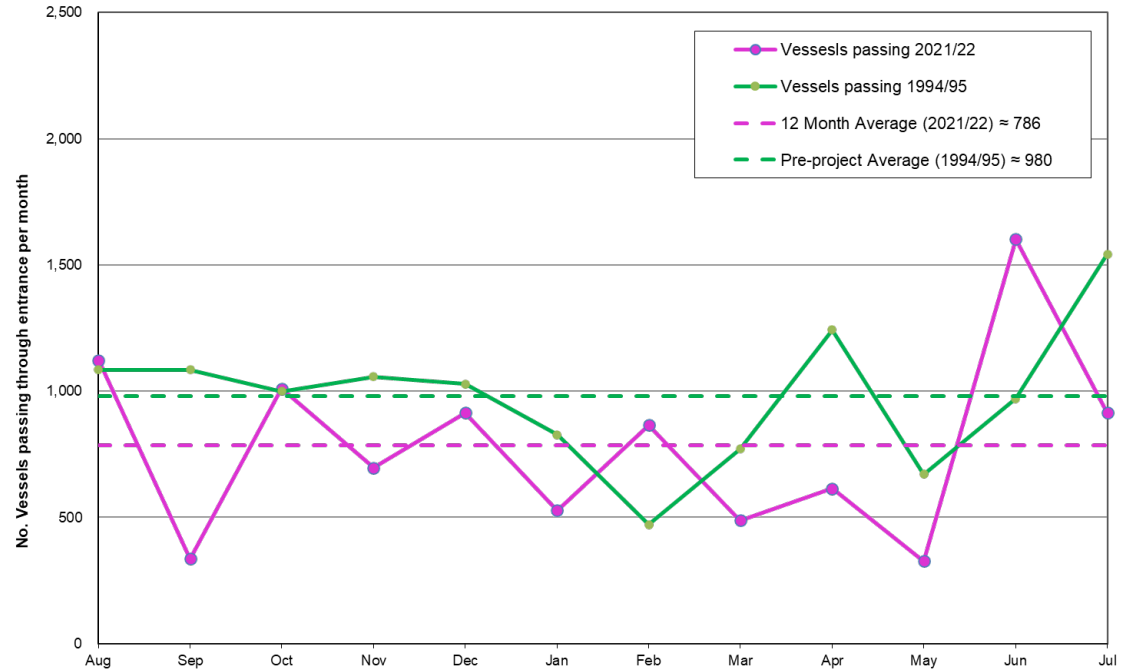
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Entrance usage

- Generally vessel passing numbers have been variable and highly dependant on conditions.
- On average over the past 12 months numbers have been just under the pre-project average.

Comparison of vessels passing through the entrance per month in 2021/22 compared to 1994/95 (prior to entrance improvements)



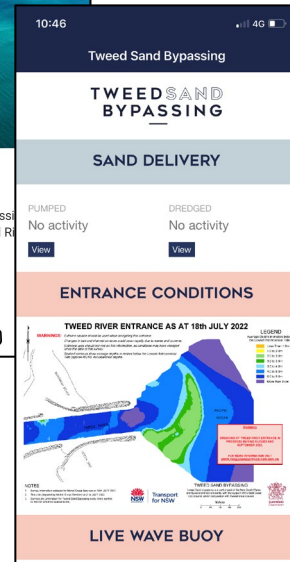
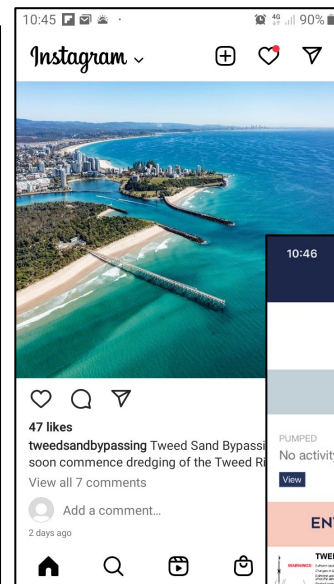
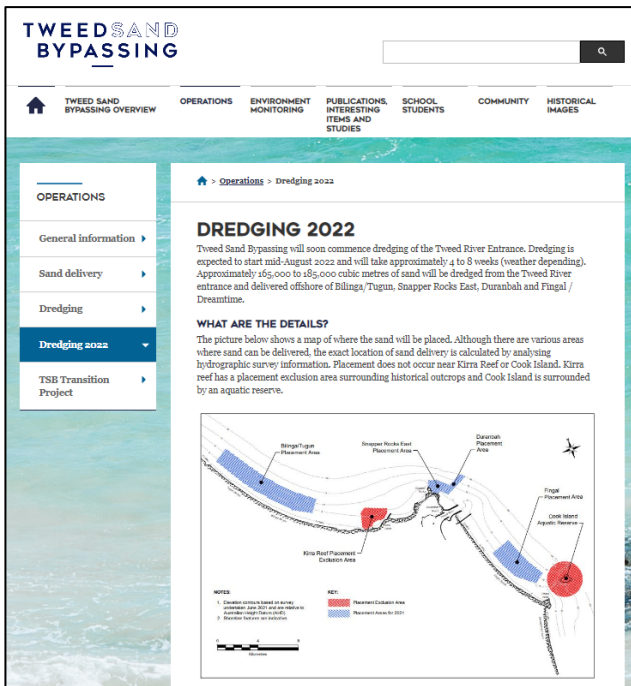
Projects and enhancements

- TSB Transition → Strategy workshop, drafting of plans and procedures, information sharing and handover.
- Letitia Coastal Processes Study → Report complete. Progressing with new measures for monitoring.
- Kirra pipeline detailed design → Detailed design being revised to improve visual amenity.
- Valve Pit 2 safety upgrade → GRP floor installed at VP2 to improve safety when working in pit.
- Asset condition assessment → Comprehensive condition assessment complete. Asset generally in good operating condition. Some corrosion management issues to be addressed.
- Climate change study → Report complete. Operational and infrastructure climate adaptation options to mitigate against future potential impacts have been identified.

TWEED SAND BYPASSING

Communications and engagement

- School Group excursions to jetty and use of TSB schools package.
- TSB Instagram post for Duranbah pumping placement
- TSB Instagram posts for August dredging.
- TSB app continues to be updated with sand delivery volumes, locations and entrance survey maps.
- TSB website updated with a dedicated 2022 dredging webpage.
- Surfing Australia TV series “Rivals” to use footage from pumping jetty.
- Work underway on presentation to focus groups within community.



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 tresbp.projectoffice.group@transport.nsw.gov.au