

TRESBP ENVIRONMENTAL MONITORING SUMMARY

JUNE 2009

OVERVIEW

In June 2009:

- 12,703 m³ of sand was pumped.
- Eight media articles referred directly to the project, four were neutral, four were mainly negative.
- Entrance conditions were mainly moderate with 2,871 boat crossings recorded (roughly 2/3rds more than the average amount for the month of June).
- Surf quality from Snapper Rocks to Kirra was poor to average due to a lack of swell and/or messy conditions throughout the month. Conditions at Duranbah were good to excellent for most of the month.
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 41,000 m³ (slightly less than the June average).

1. SAND PUMPING & DREDGING

Sand Delivery June 2009

Snapper Rocks East:	12,703m ³
Duranbah:	0m ³
Total:	12,703m ³

Sand Delivery January to June 2009

Pumped:	261,015m ³
Dredged:	0m ³
Total:	261,015m ³

Sand Delivery January to June 2008

Pumped:	348,426m ³
Dredged:	78,920m ³
Total:	427,346m ³

Stage II Sand Delivery May 2000 to June 2009

Pumped:	5,266,912m ³
Dredged:	1,979,755m ³
Total:	7,246,667m ³

Department of Lands 

Department of **Environment**
and **Resource Management**



Queensland Government

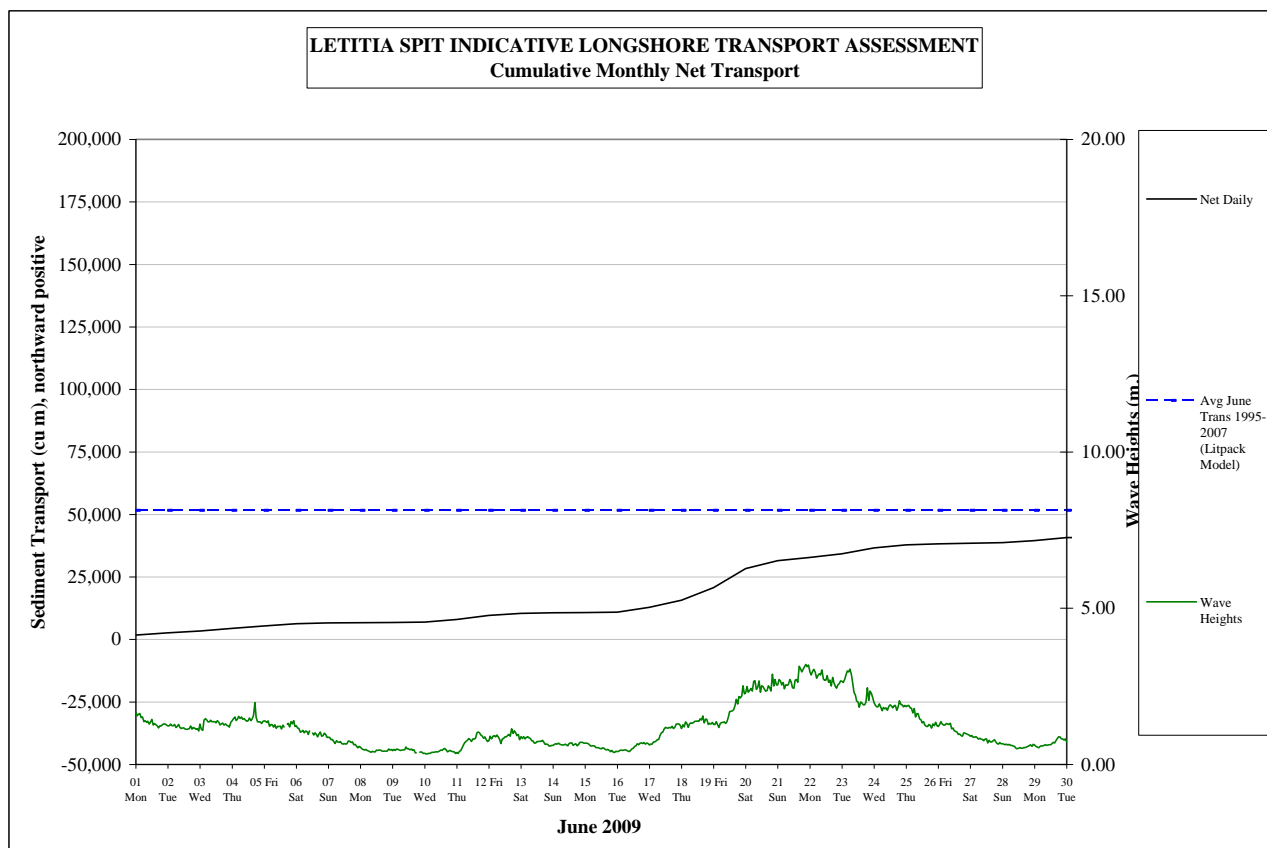


2. INDICATIVE LONGSHORE TRANSPORT

The graph below is based on a simplified sediment transport model and is indicative only.

June 2009 estimated natural sand transport (moving N towards Tweed entrance): 41,000 m³.

This result is slightly less than the average sand transport for the month of June.



3. MEDIA COVERAGE

Gold Coast Bulletin, 7 June, "Kirra sand shift set in concrete"

"More than 35,000 cubic metres of sand are to be excavated from Kirra beach to restore the popular spot to its former glory."

(Nb. 3 other articles on this topic recorded)

The Tweed Shire Echo, 18 June, "Fingal Head erosion probed"

"Fingal residents will revisit historic records in a bid to determine whether severe erosion occurring on their beaches is part of a natural cycle or is being aggravated by manmade structures."

(Nb. 1 other article on this topic recorded)

Tweed Daily News, 12 June, "Risking death to drop a line"


"Drunken fishermen are risking their lives by climbing onto the sand bypass jetty at Fingal to drop a line... police conducted regular patrols of the Fingal area and would be looking out for anyone fishing from the jetty."

Sydney Morning Herald, 27-28 June, "Surf up, sand down as tides wash Manly Beach away"

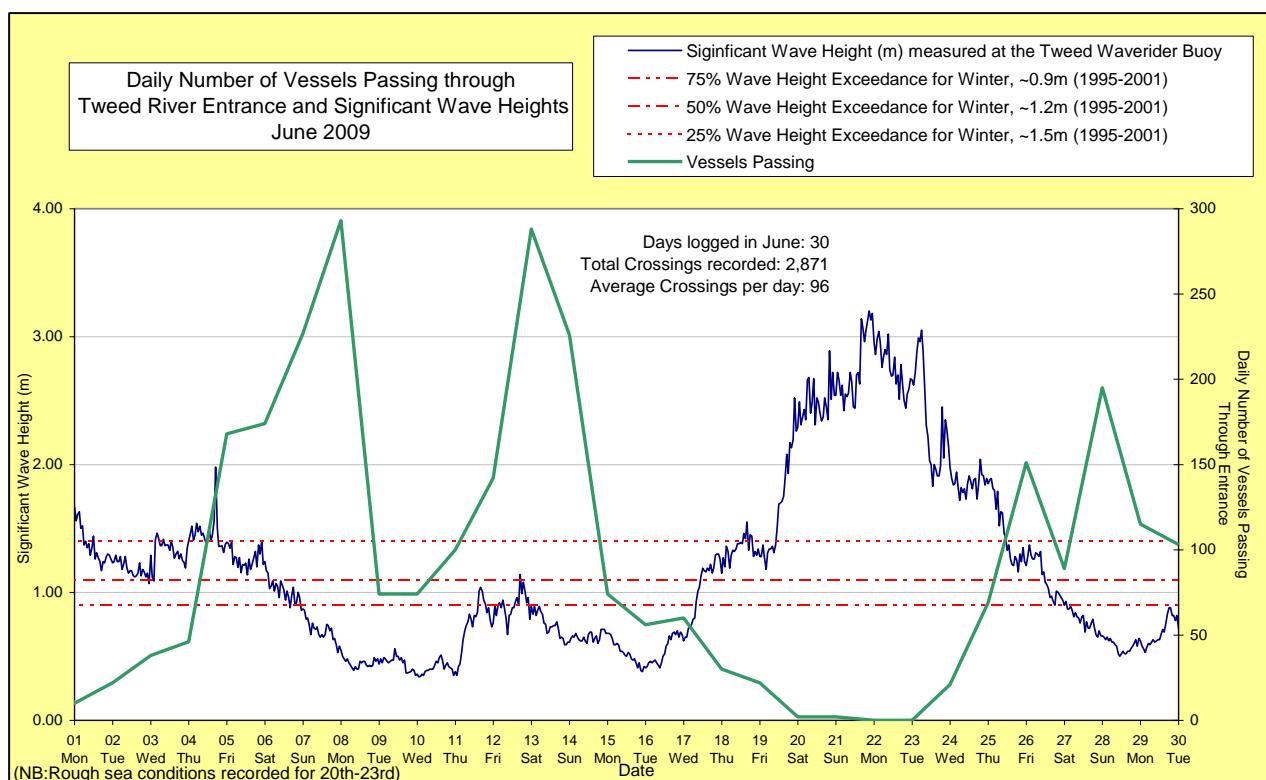
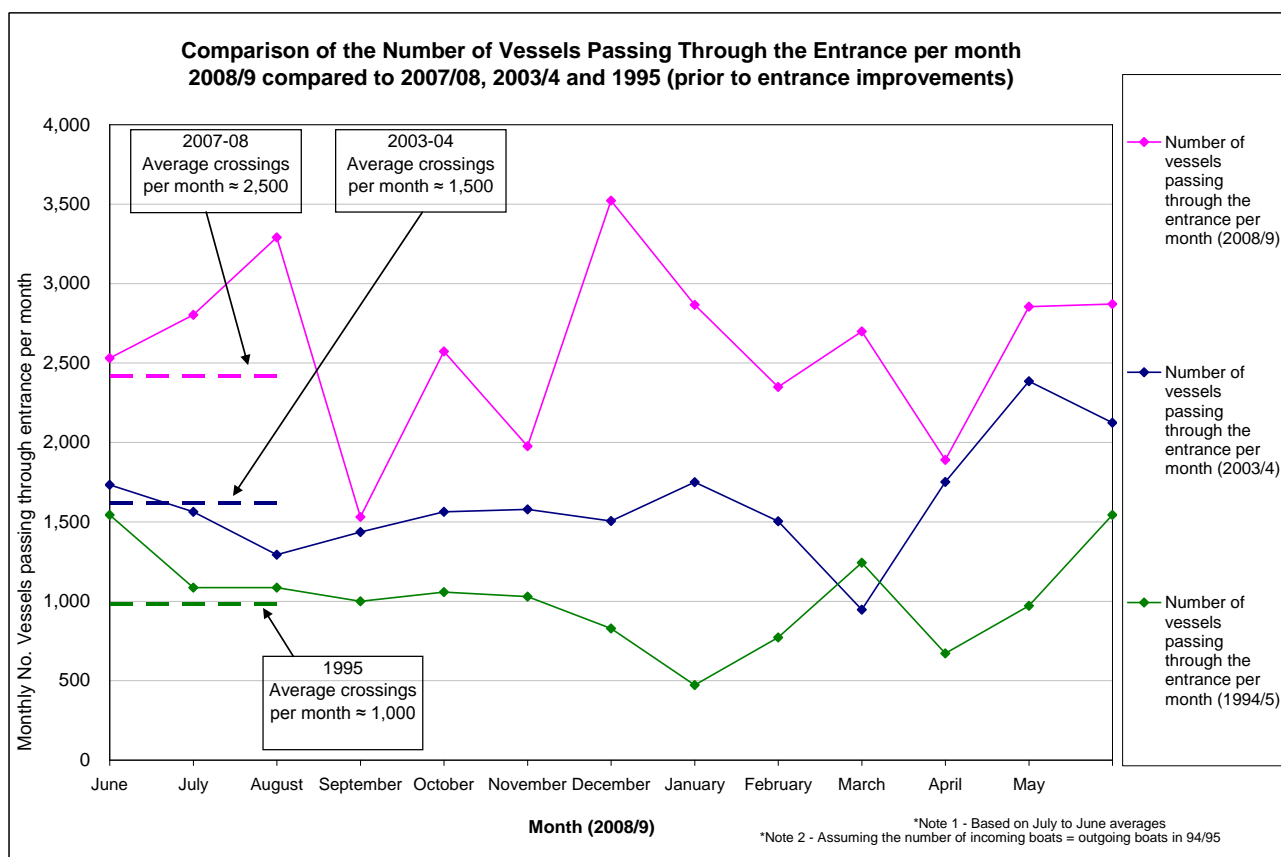
"At Kirra Beach people had to walk up to 400m across boiling hot sand on a sunny day to reach the water. A reef close to the shore, which had soft corals, had also been inundated with sand."

4. TWEED RIVER ENTRANCE CONDITIONS

VOLUNTEER MARINE RESCUE MONITORING RESULTS

 Weekends and public holidays

Date	Entrance Conditions	Navigation Rating Impassable-----Good					Number of Boats
		Impassable	Difficulty Encountered	Some Difficulty Encountered	Relatively Good Crossing	Good Conditions	
1 st	Moderate						10
2 nd	Moderate						22
3 rd	Moderate						38
4 th	Moderate						46
5 th	Moderate						168
6 th	Moderate						174
7 th	Moderate						227
8 th	Moderate						293
9 th	Moderate						74
10 th	Moderate						74
11 th	Moderate						100
12 th	Moderate						142
13 th	Moderate						288
14 th	Moderate						226
15 th	Moderate						74
16 th	Moderate						56
17 th	Moderate						60
18 th	Moderate						30
19 th	Moderate						22
20 th	Rough						2
21 st	Rough						2
22 nd	Rough						0
23 rd	Rough						0
24 th	Moderate						21
25 th	Moderate						69
26 th	Moderate						151
27 th	Moderate						89
28 th	Moderate						195
29 th	Moderate						115
30 th	Moderate						103
							2,841



5. WAVE & SURFING CONDITIONS

Dominant swell condition: Fairly calm ENE to SE wave conditions throughout the month, except for 19 to 24 June when an ENE high sea event occurred.

High sea events: 19 to 24 June (max Hsig = 3.2m)

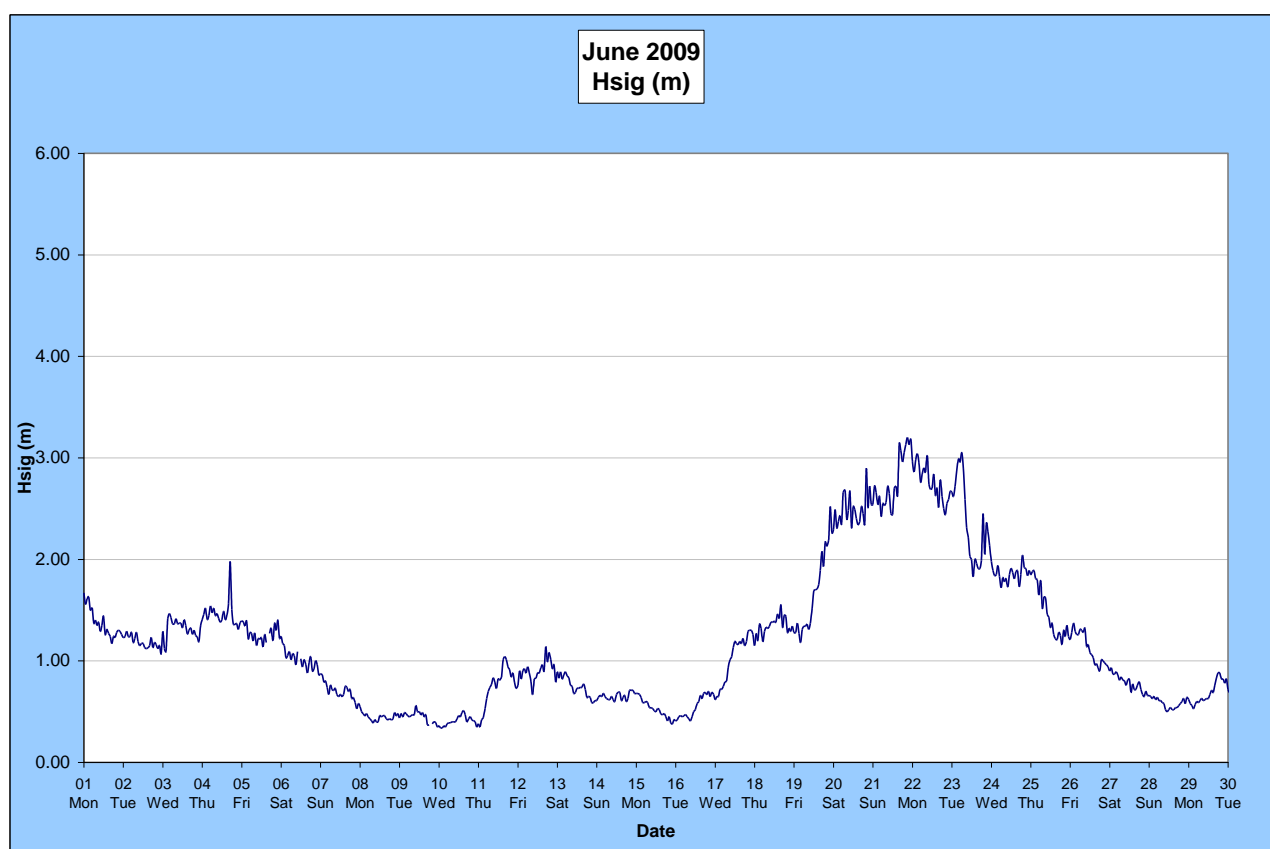
Monthly minimum significant wave height: 0.3m on 10 June

Monthly maximum significant wave height: 3.2m on 21 June

Number of days with waves below 1.0 m: 17 days

Number of days with waves above 2.0 m: 5 days

(Source: Tweed & Brisbane Waverider Buoy; BoM)



A link to data recorded by the Tweed Waverider Buoy is available at <http://www.epa.qld.gov.au/projects/waves/site.cgi?siteid=28&noback=4>

UPCOMING SURF & SURF LIFE SAVING EVENTS

- Billabong Occy's Grom Contest – 4 to 8 July, Duranbah
- Girls Gromfest Training Camp – 7 to 9 July, Tweed-Byron Coast
- Rusty Gromfest – 10 to 14 July, Tweed-Byron Coast
- Fantastic Noodles Pro Junior Camp – 12 to 14 July, Tweed-Byron Coast

Source: Surfing Australia & Surf Life Saving Queensland

SURF REPORT OVERVIEW

Based on media reports and surf quality observations by volunteer Mr Brian Mason.

Date	Surfing Conditions
1-5 June	Small to average E surf, varying from messy conditions to clean with lighter winds.
6-11 June	Flat to tiny E surf, 'ripple riding'.
12-13 June	Tiny to small SSE surf, fun at times.
14-17 June	Flat to tiny E to ESE surf.
17-20 June	Small to average SE surf, average quality.
21-26 June	Average to large E waves, messy due to storm event, but cleaning up as storm waned.
27-30 June	Small E surf, wind affected and messy at times.