

TRESBP ENVIRONMENTAL MONITORING SUMMARY

JULY 2010

OVERVIEW

In July, 2010:

- 33,722 m³ of sand was pumped to Snapper Rocks East.
- There were no media articles referring to the project directly or indirectly.
- Sea conditions were calm to average with 11 days of waves less than one metre and less than one day of moderate seas (there were only a few hours recorded with waves greater than 2m).
- A total of 1,606 boat crossings were recorded (about 24% lower than the July average).
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 41,000m³ (only about 60% of the July average).

1. SAND PUMPING & DREDGING

Sand Delivery July 2010

Pumped:	33,722m ³
Dredged:	0m ³
Total:	33,722m ³

Sand Delivery January to July 2010 (YTD)

Pumped:	257,341m ³
Dredged:	0m ³
Total:	257,341m ³

Sand Delivery January to July 2009

Pumped:	281,068m ³
Dredged:	0m ³
Total:	281,068m ³

Stage II Sand Delivery May 2000 to July 2010

Pumped:	5,672,470m ³
Dredged:	2,038,900m ³
Total:	7,711,370m ³



Land and Property
Management Authority

Department of Environment
and Resource Management



Queensland Government

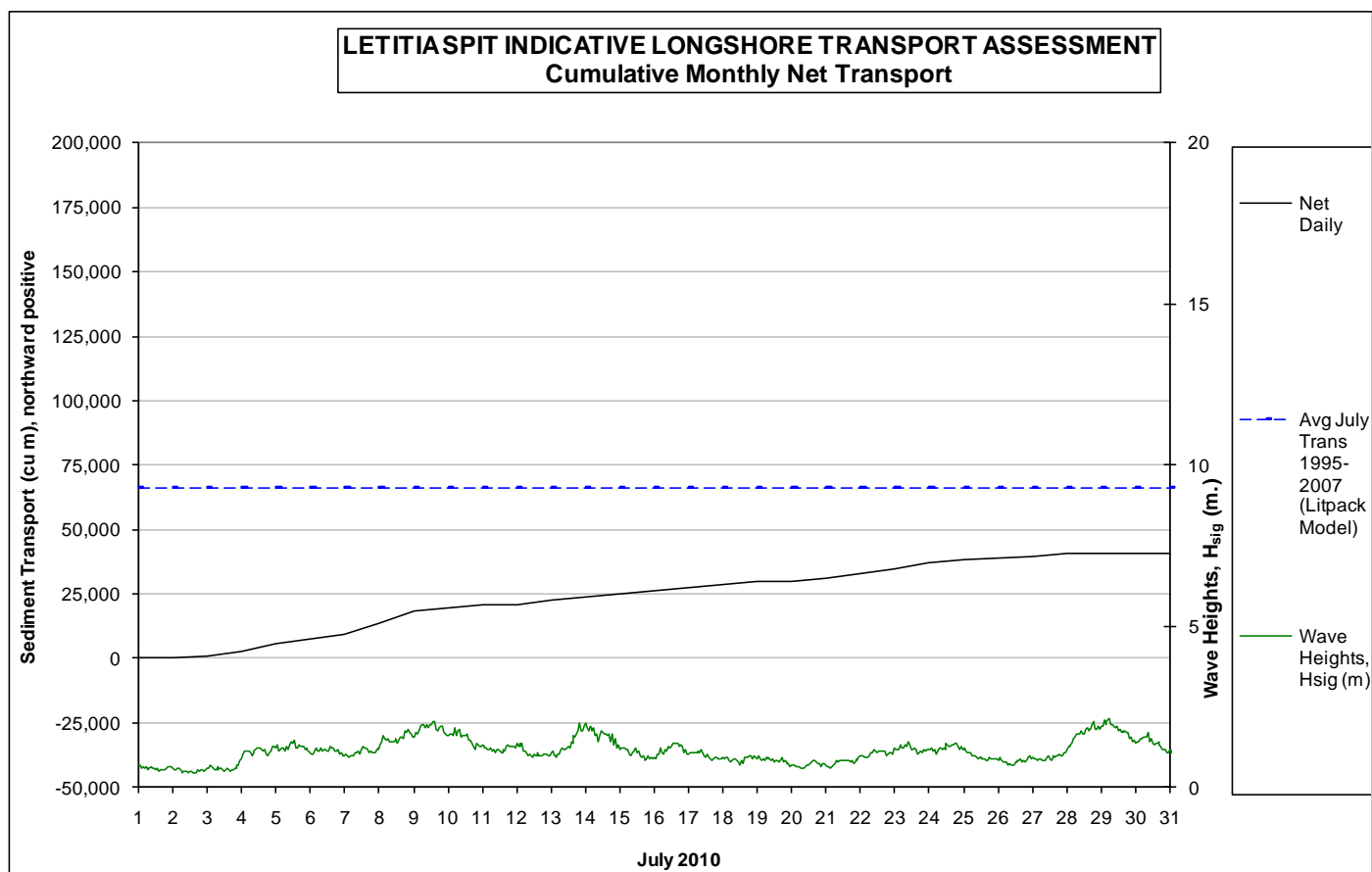


2. INDICATIVE LONGSHORE TRANSPORT

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


July 2010 estimated natural sand transport (moving N towards Tweed entrance): 41,000 m³.

This result is about 60 % of the average sand transport quantity for the month of July.



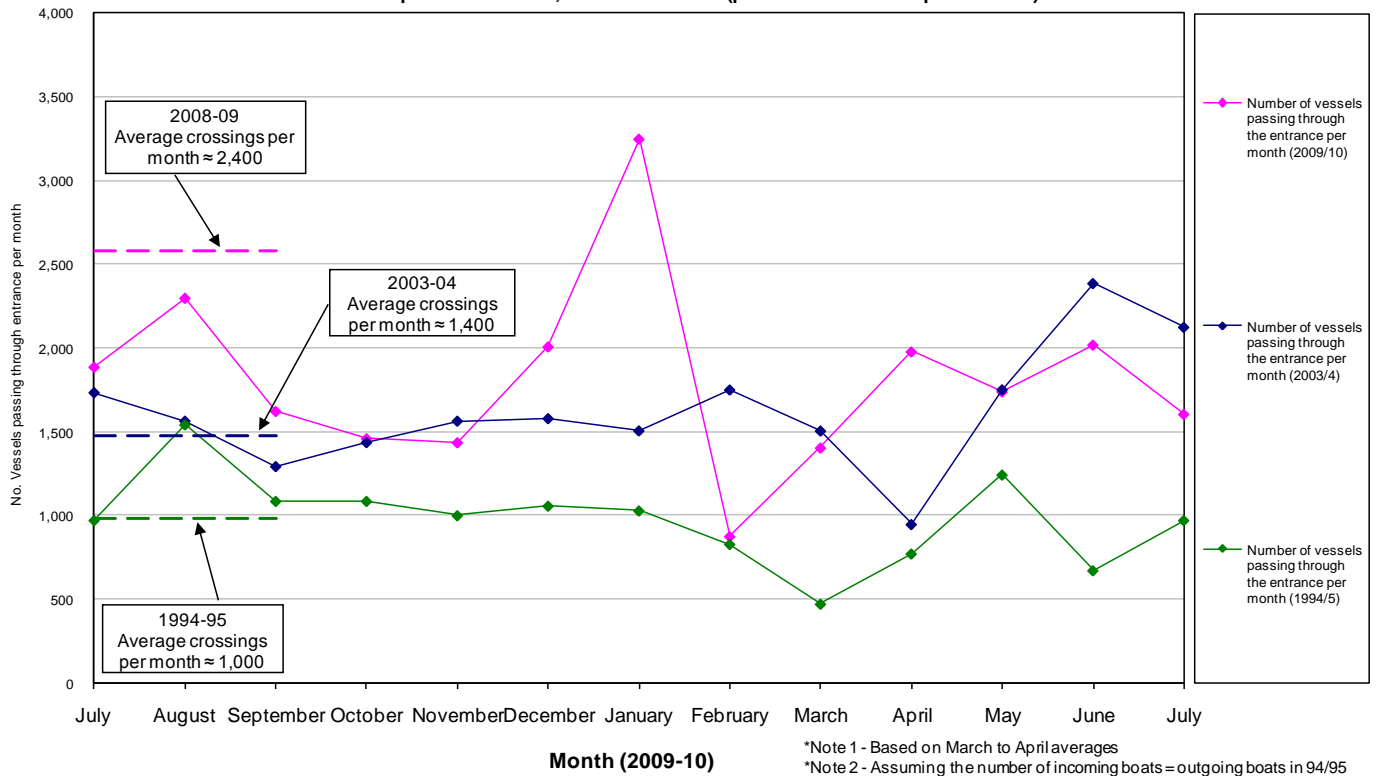
3. MEDIA COVERAGE

There were no media items found this month which referred, directly or indirectly, to the project.

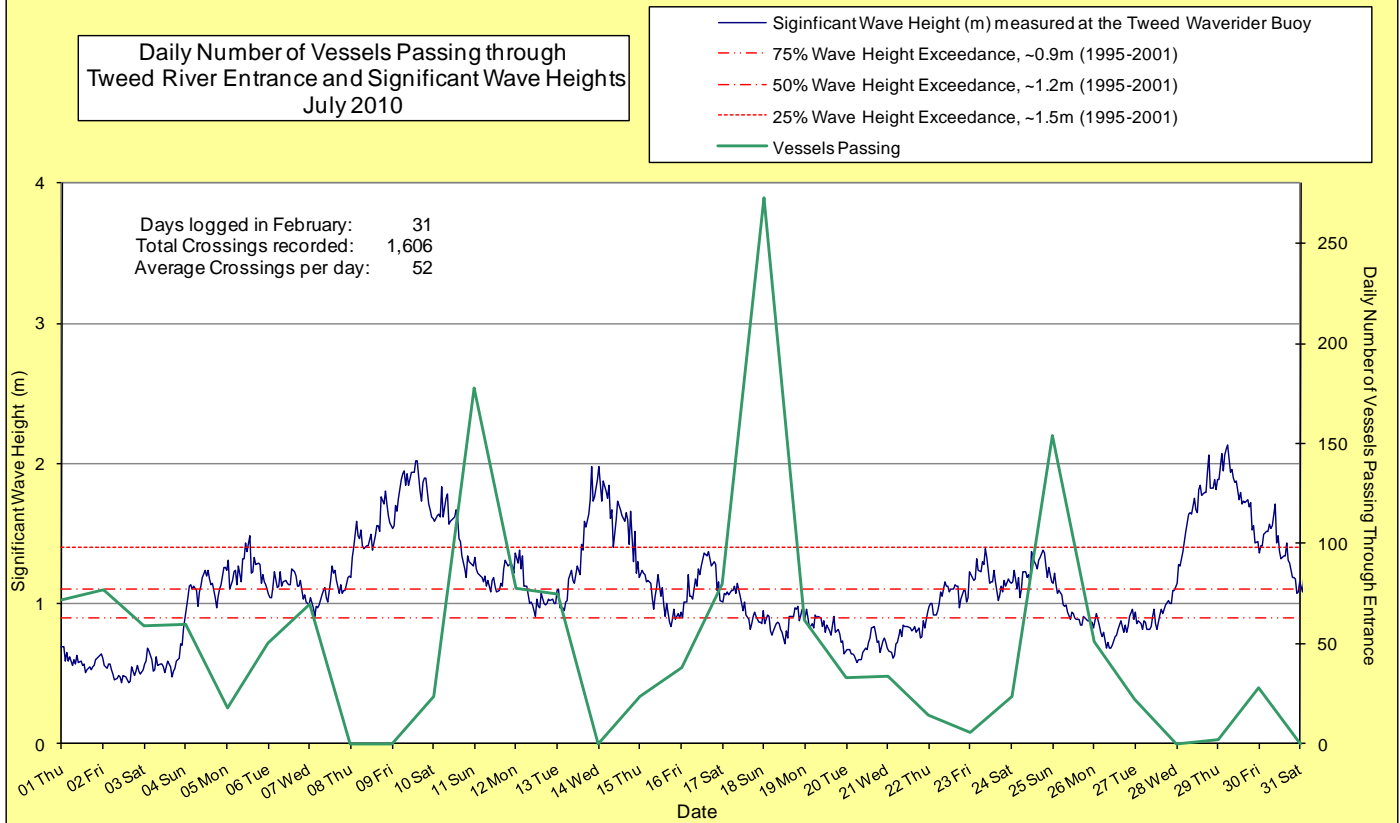
4. TWEED RIVER ENTRANCE CONDITIONS**VOLUNTEER MARINE RESCUE MONITORING RESULTS**
 Weekends and public holidays

Date	Navigation Rating Impassable-----Good					Number of Boats
	Impassable	Difficulty Encountered	Some Difficulty Encountered	Relatively Good Crossing	Good Conditions	
1 st						72
2 nd						77
3 rd						59
4 th						60
5 th						18
6 th						50
7 th						70
8 th						0
9 th						0
10 th						24
11 th						178
12 th						78
13 th						75
14 th						0
15 th						24
16 th						38
17 th						80
18 th						273
19 th						62
20 th						33
21 st						34
22 nd						14
23 rd						6
24 th						24
25 th						154
26 th						51
27 th						22
28 th						0
29 th						2
30 th						28
31 st						0
Total						1,606

Comparison of the Number of Vessels Passing Through the Entrance per month
2009/10 compared to 2008/09, 2003/4 and 1995 (prior to entrance improvements)



Daily Number of Vessels Passing through
Tweed River Entrance and Significant Wave Heights
July 2010



5. WAVE & SURFING CONDITIONS

Dominant swell condition: Generally calm to average seas, with moderate seas on 9th, 14th & 29th. Waves varied from E to SE for most of month, swinging to ENE on 29th to 31st.

High sea events: None

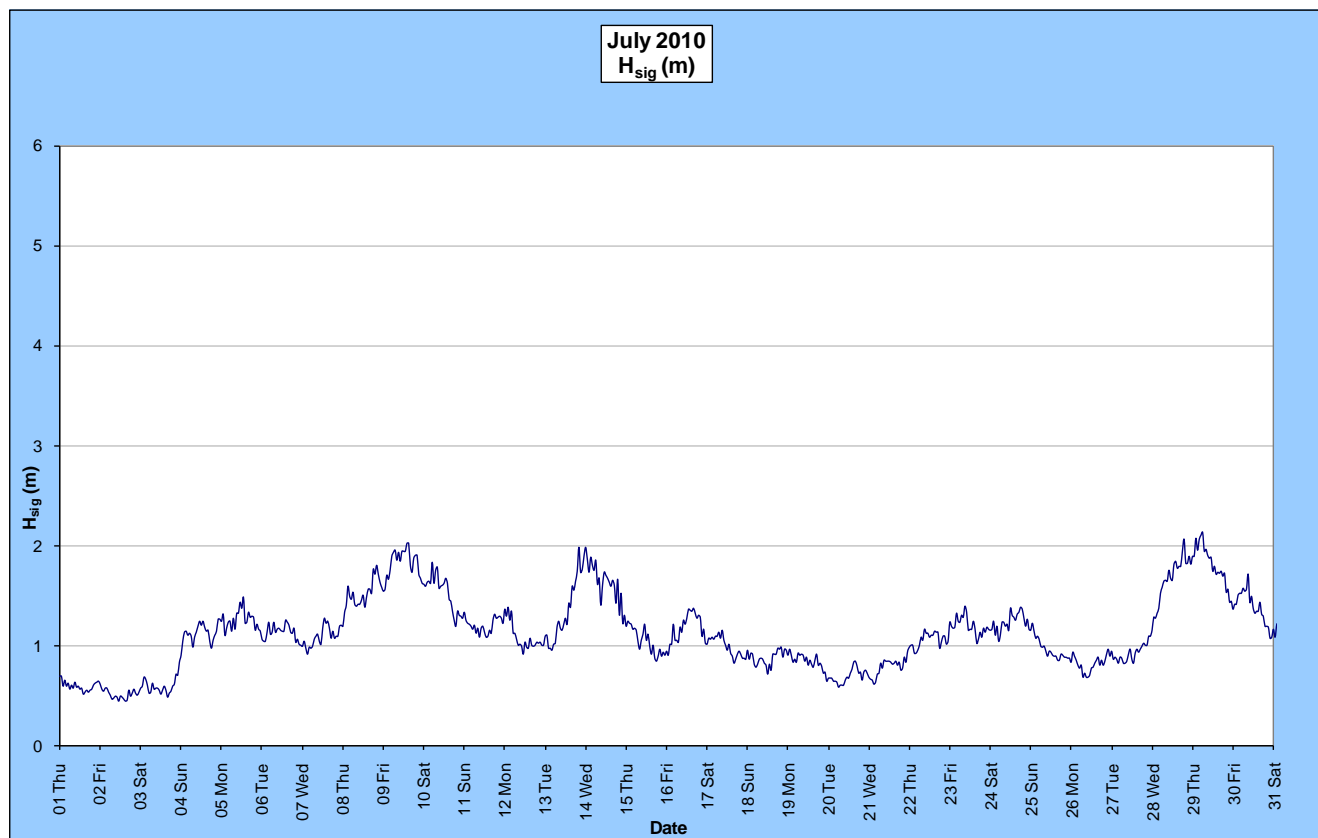
Monthly minimum significant wave height: 0.44m on 2 July

Monthly maximum significant wave height: 2.13m on 29 July

Number of days with waves below 1.0 m: 11 days

Number of days with waves above 2.0 m: less than 1 day

(Source: Tweed & Brisbane Wave Buoy; QDERM)



A link to data recorded by the Tweed Waverider Buoy is available at: <http://www.derm.qld.gov.au/waves>

UPCOMING SURF AND SURF LIFESAVING EVENTS

- Rush Surf Queensland State Junior Titles 4 & 5 September 2010, Gold Coast
- Ocean & Earth Teenage Rampage 18 & 19 September 2010, Gold Coast
- KSLC Open Day 26 September 2010

PHOTOGRAPHS OF SURF CONDITIONS



Duranbah, 9 July (source: Swellnet)



Snapper Rocks, 14 July (source: Swellnet)



Snapper Rocks, 19 July 2010 (source: Swellnet)



Duranbah, 24 July 2010 (source Coastalwatch)

SURF REPORT OVERVIEW

Generally, July was a calm month with calm to average height waves and light winds.

END