# TRESBP ENVIRONMENTAL MONITORING SUMMARY JULY 2009

#### **OVERVIEW**

#### In July 2009:

- 20,053 m<sup>3</sup> of sand was pumped.
- One media article referred directly to the project and was neutral in view.
- Entrance conditions were mainly moderate with 1,888 boat crossings recorded (roughly 85% of the July average).
- Surf quality from Snapper Rocks to Kirra was mainly poor to average due to a lack of swell, except for during 10-13 July when conditions were good to excellent.
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 65,000 m<sup>3</sup> (equal to the July average).

### 1. SAND PUMPING & DREDGING

#### Sand Delivery July 2009

Snapper Rocks East: 17,172m³
Snapper Rocks West: 2,881m³
Total: 20,053m³

## Sand Delivery January to July 2009

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

#### Sand Delivery January to July 2008

Pumped: 399,540m<sup>3</sup>
Dredged: 137,172m<sup>3</sup>
Total: 536,712m<sup>3</sup>

#### Stage II Sand Delivery May 2000 to July 2009

Pumped: 5,286,965m<sup>3</sup>
Dredged: 1,979,755m<sup>3</sup>
Total: 7,266,720m<sup>3</sup>



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

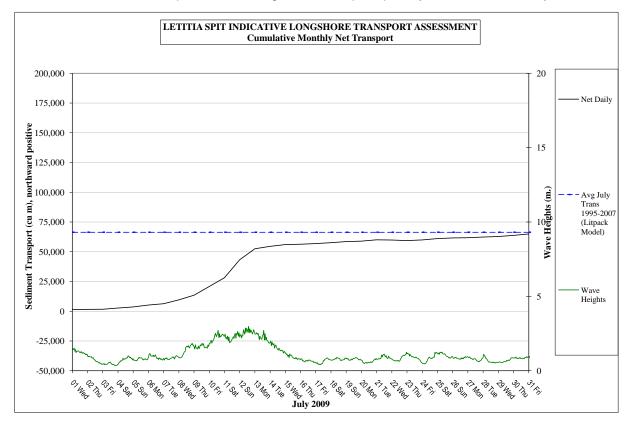




#### 2. INDICATIVE LONGSHORE TRANSPORT

The graph below is based on a simplified sediment transport model and is indicative only. July 2009 estimated natural sand transport (moving N towards Tweed entrance): 64,903 m<sup>3</sup>.

This result is about equal to the average sand transport quantity for the month of July.



#### 3. MEDIA COVERAGE

#### Gold Coast Mail, 22 July, "Kirra's Surfstock boost"

"The Queensland government has agreed to consider questions submitted by coastal environment consultant Neil Lazarow and Currumbin MP Jann Stuckey about the controversial \$70 million sand-pumping contract with McConnell Dowell, following a failed freedom of information bid to obtain the contract. The questions relate to environmental care, surf quality, amounts of sand pumped, possible penalties for over-supplying sand, and flexibility in the contract terms."

# **4. TWEED RIVER ENTRANCE CONDITIONS**

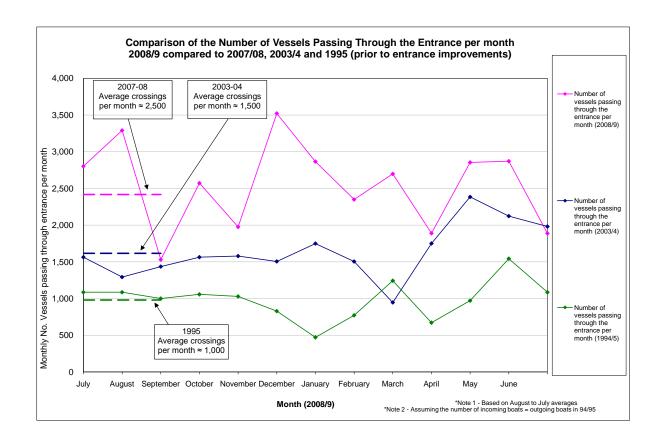
# **VOLUNTEER MARINE RESCUE MONITORING RESULTS**

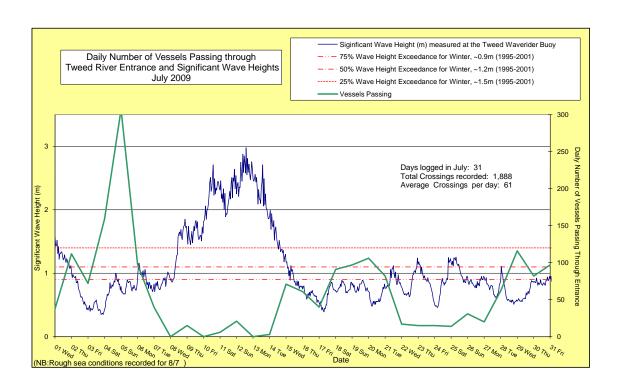
Weekends and public holidays

	Entrance Conditions	Im	Navigation Rating ImpassableGood				
Date		Impassable	Difficulty Encountered	Some Difficulty Encountered	Relatively Good Crossing	Good Conditions	Number of Boats
1 <sup>st</sup>	Moderate						38
2 <sup>nd</sup>	Moderate						112
3 <sup>rd</sup>	Moderate						72
4 <sup>th</sup>	Moderate						159
5 <sup>th</sup>	Moderate						307
6 <sup>th</sup>	Moderate						98
7 <sup>th</sup>	Moderate						40
8 <sup>th</sup>	Rough						0
9 <sup>th</sup>	Moderate						15
10 <sup>th</sup>	Moderate						0
11 <sup>th</sup>	Moderate						6
12 <sup>th</sup>	Moderate						21
13 <sup>th</sup>	Moderate						0
14 <sup>th</sup>	Moderate						3
15 <sup>th</sup>	Moderate						71
16 <sup>th</sup>	Moderate						61
17 <sup>th</sup>	Moderate						40
18 <sup>th</sup>	Moderate						91
19 <sup>th</sup>	Moderate						97
20 <sup>th</sup>	Moderate						106
21 <sup>st</sup>	Moderate						82
22 <sup>nd</sup>	Moderate						17
23 <sup>rd</sup>	Moderate						15
24 <sup>th</sup>	Moderate						15
25 <sup>th</sup>	Moderate						14
26 <sup>th</sup>	Moderate						31
27 <sup>th</sup>	Moderate						20
28 <sup>th</sup>	Moderate						62
29 <sup>th</sup>	Moderate						116
30 <sup>th</sup>	Moderate						82
31 <sup>st</sup>	Moderate						97
		•	•	•			1,888

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#### TRESBP ENVIRONMENTAL MONITORING SUMMARY - JULY 2009





#### 5. WAVE & SURFING CONDITIONS

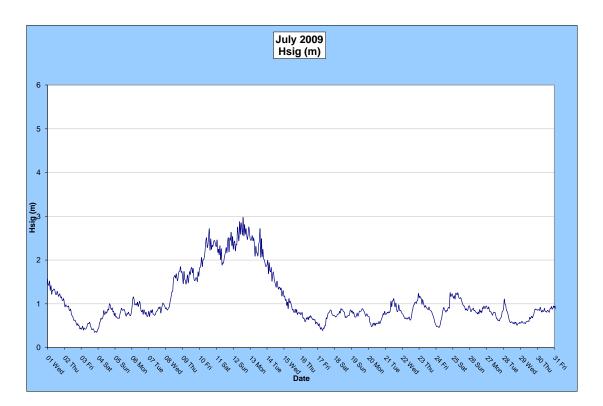
<u>Dominant swell condition</u>: Calm ESE waves throughout the month, except for 10 to 13 July when a ESE moderate sea event occurred, and 22 to 24 July when waves were small from NE.

High sea events: None. Moderate sea from 10 to 13 July (max Hsig = 2.98 m)

Monthly minimum significant wave height: 0.35 m on 3 July Monthly maximum significant wave height: 2.98 m on 12 July

Number of days with waves below 1.0 m: 24 days

Number of days with waves above 2.0 m: 4 days (Source: Tweed & Brisbane Waverider Buoy; BoM)



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

#### **UPCOMING SURF & SURF LIFE SAVING EVENTS**

- High Performance Adult Surf Camps 1 to 23 August, Tweed-Byron Coast
- Redbull Junior Surf Masters Qualifier 15 to 16 August, Gold Coast
- Mark Richards Elite Surf Camp 24 to 28 August, 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	
1/7	Average sized SE swell, fun waves before strong afternoon NNW winds.	
2/7	Lots of small SE waves along the coast.	
3-8/7	Flat to tiny ESE waves, light offshore winds but few waves for surfing	
9-10/7	Rising SE swell with S winds making for good average-sized point waves	
11-13/7/09	SE swell rising from average to large with light offshore winds. Outer storm banks at Rainbow Bay and Burleigh blocking waves in these areas. Elsewhere some excellent waves for surfing.	
14-15/7	E swell dropping in size from large to average. Offshore winds and good surfing waves.	
16-23/7	Only small waves from ESE to ENE, wind affected at times.	
24-30/7	Tiny to small SE waves. Light winds and calm conditions but few waves for surfing.	

**END**