

TRESBP ENVIRONMENTAL MONITORING SUMMARY

JANUARY 2010

OVERVIEW

In January 2010:

- 6,641 m³ of sand was pumped to Snapper Rocks East.
- One media article referred directly to the project, it was neutral in view.
- Entrance conditions were generally good with 3,251 boat crossings recorded (about 80% higher than the January average).
- Surf quality from Duranbah to Kirra was poor to average, with very small to small sized E waves throughout the month.
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 14,287 m³ (only about 30% of the January average).

1. SAND PUMPING & DREDGING

Sand Delivery January 2010

Pumped:	6,641m ³
Dredged:	0m ³
Total:	6,641m ³

Sand Delivery January 2010 (YTD)

Pumped:	6,641m ³
Dredged:	0m ³
Total:	6,641m ³

Sand Delivery January 2009

Pumped:	35,488m ³
Dredged:	0m ³
Total:	35,488m ³

Stage II Sand Delivery May 2000 to January 2010

Pumped:	5,421,770m ³
Dredged:	1,979,755m ³
Total:	7,401,525m ³



Land and Property
Management Authority

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



Queensland Government

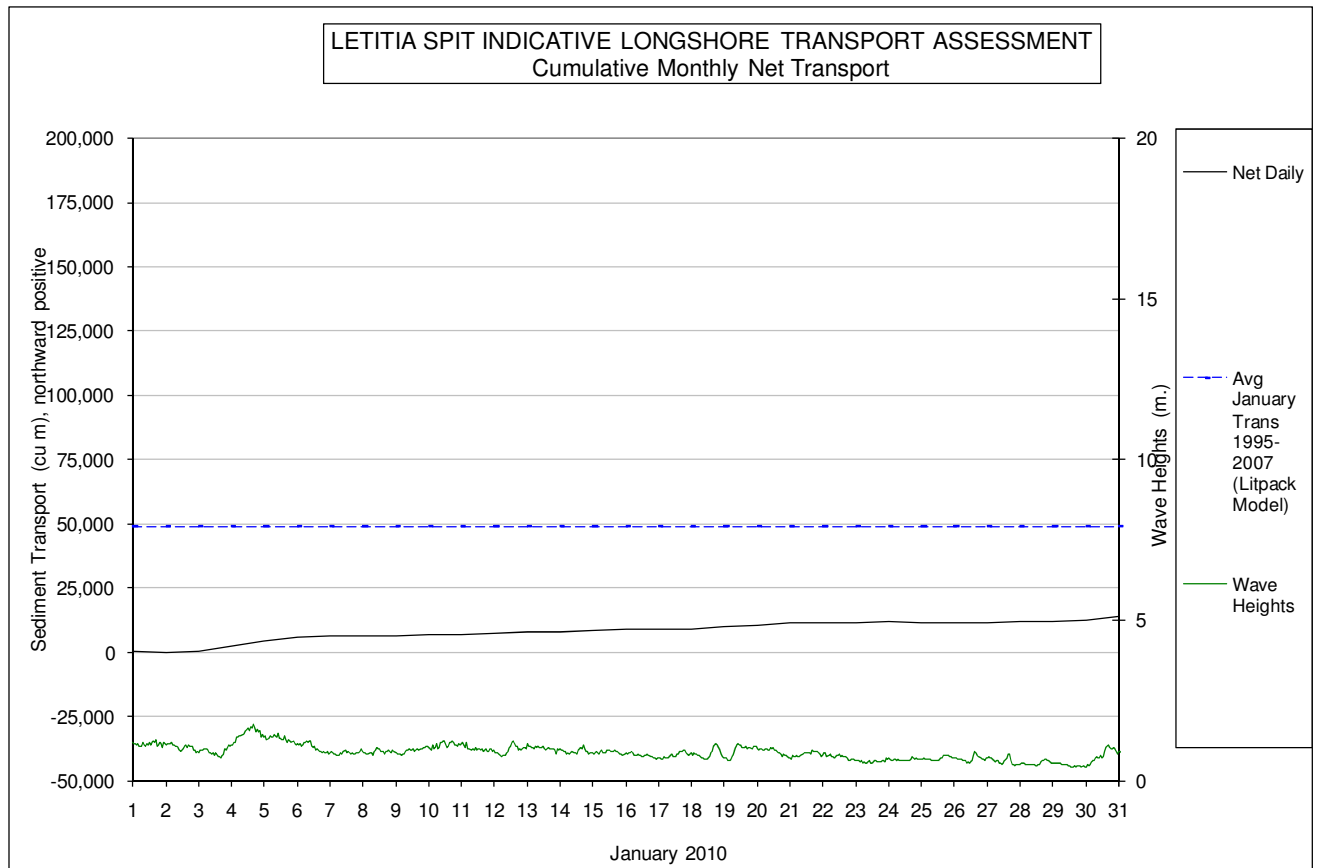


2. INDICATIVE LONGSHORE TRANSPORT

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

January 2010 estimated natural sand transport (moving N towards Tweed entrance): 14,287 m³.


This result is about 30 % of the average sand transport quantity for the month of January.



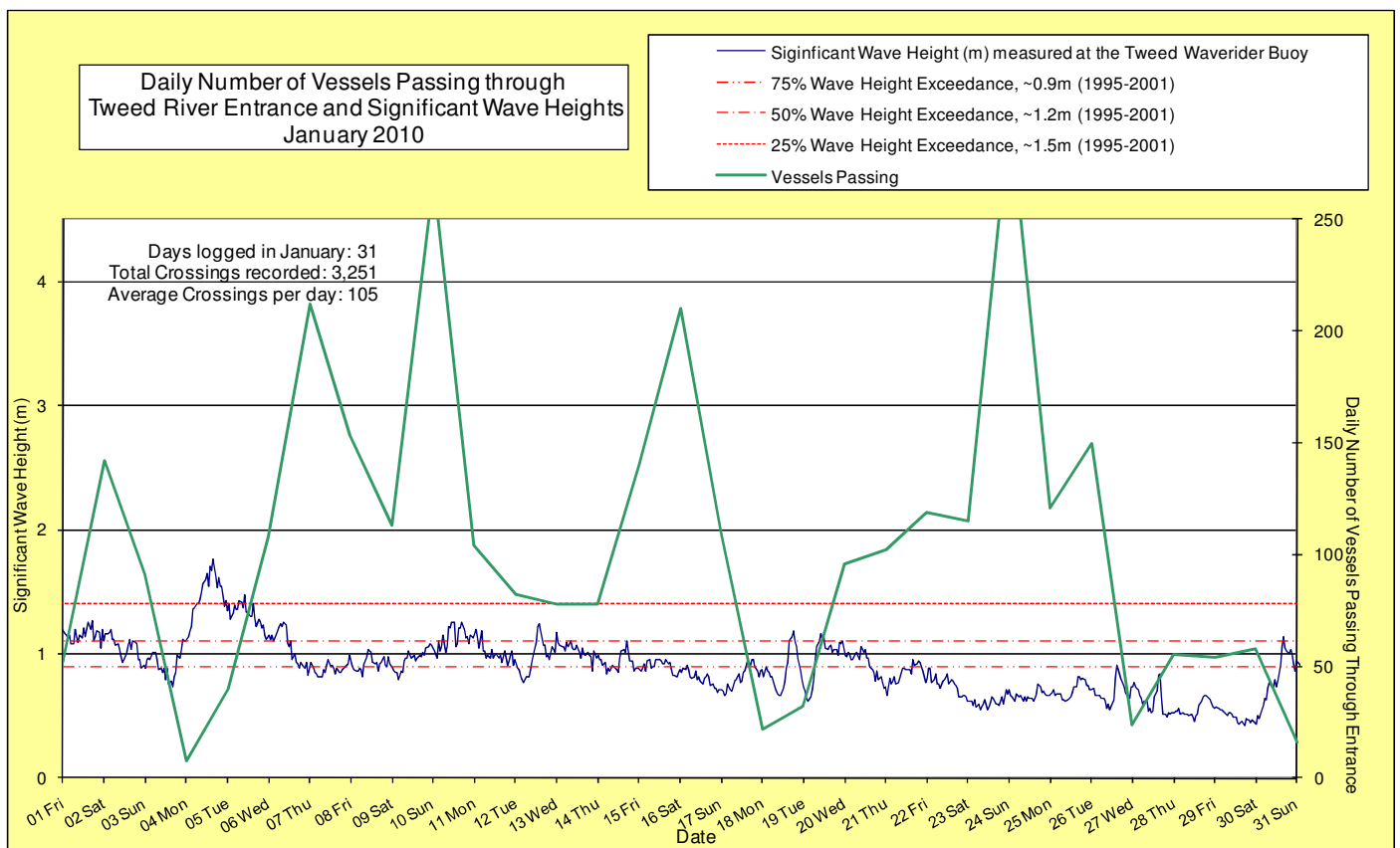
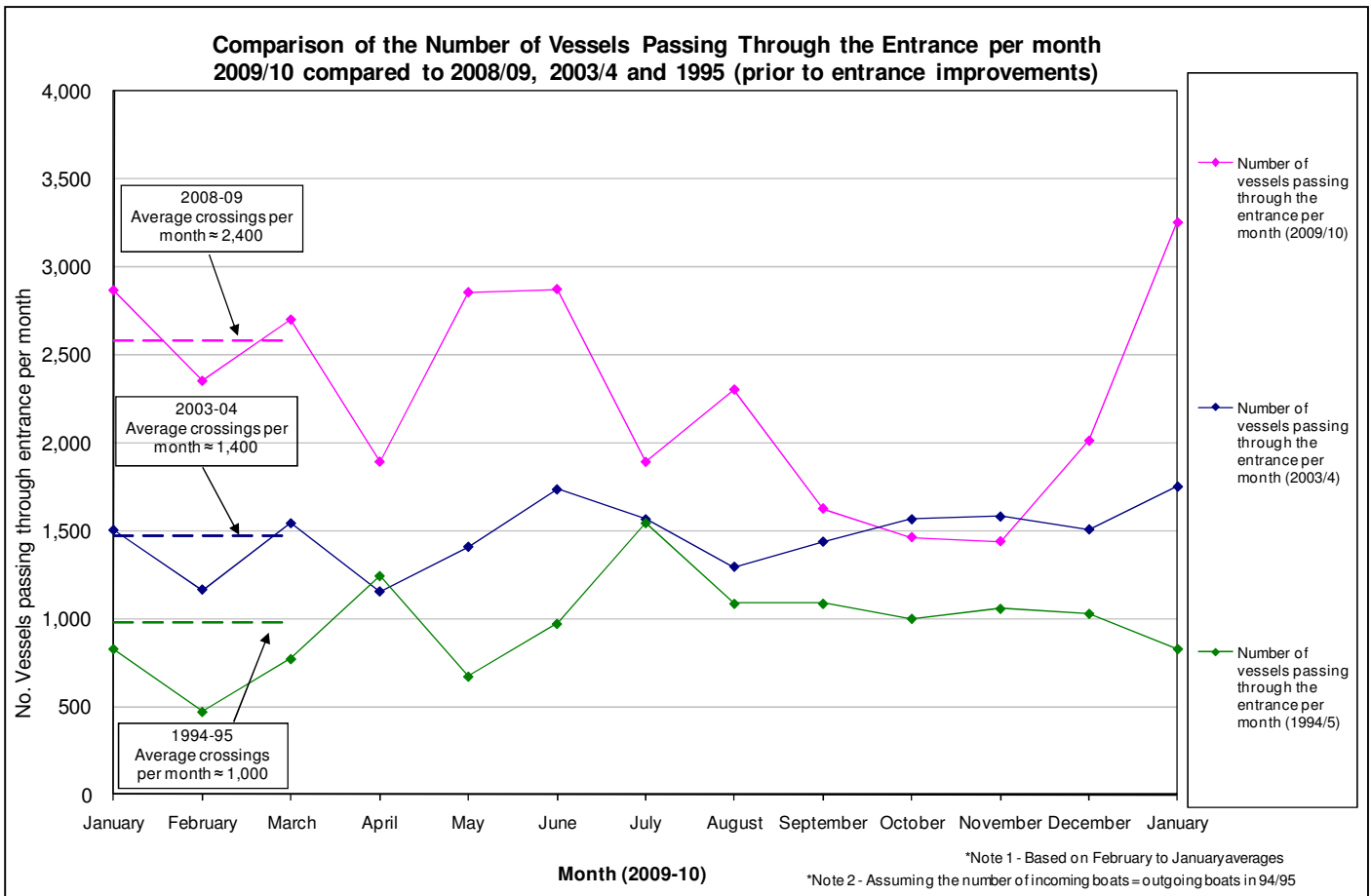
3. MEDIA COVERAGE

Tweed Sun, 28th January, "Fingal recovery"

"Tweed Bypass Scheme project manager Ian Taylor said..."Backpassing of sand is being examined as a possible way of improving the Sand Bypassing System operation...It would involve some pumping of sand southwards along Letitia Beach, probably to a location within 1000 m of the jetty".

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						52
2 nd						142
3 rd						91
4 th						8
5 th						40
6 th						108
7 th						212
8 th						153
9 th						113
10 th						268
11 th						104
12 th						82
13 th						78
14 th						78
15 th						140
16 th						210
17 th						110
18 th						22
19 th						32
20 th						96
21 st						102
22 nd						119
23 rd						115
24 th						298
25 th						121
26 th						150
27 th						24
28 th						55
29 th						54
30 th						58
31 st						16
					Total	3,199



5. WAVE & SURFING CONDITIONS

Dominant swell condition: Mainly 0.5 to 1.5 m waves from ENE-ESE

High sea events: None

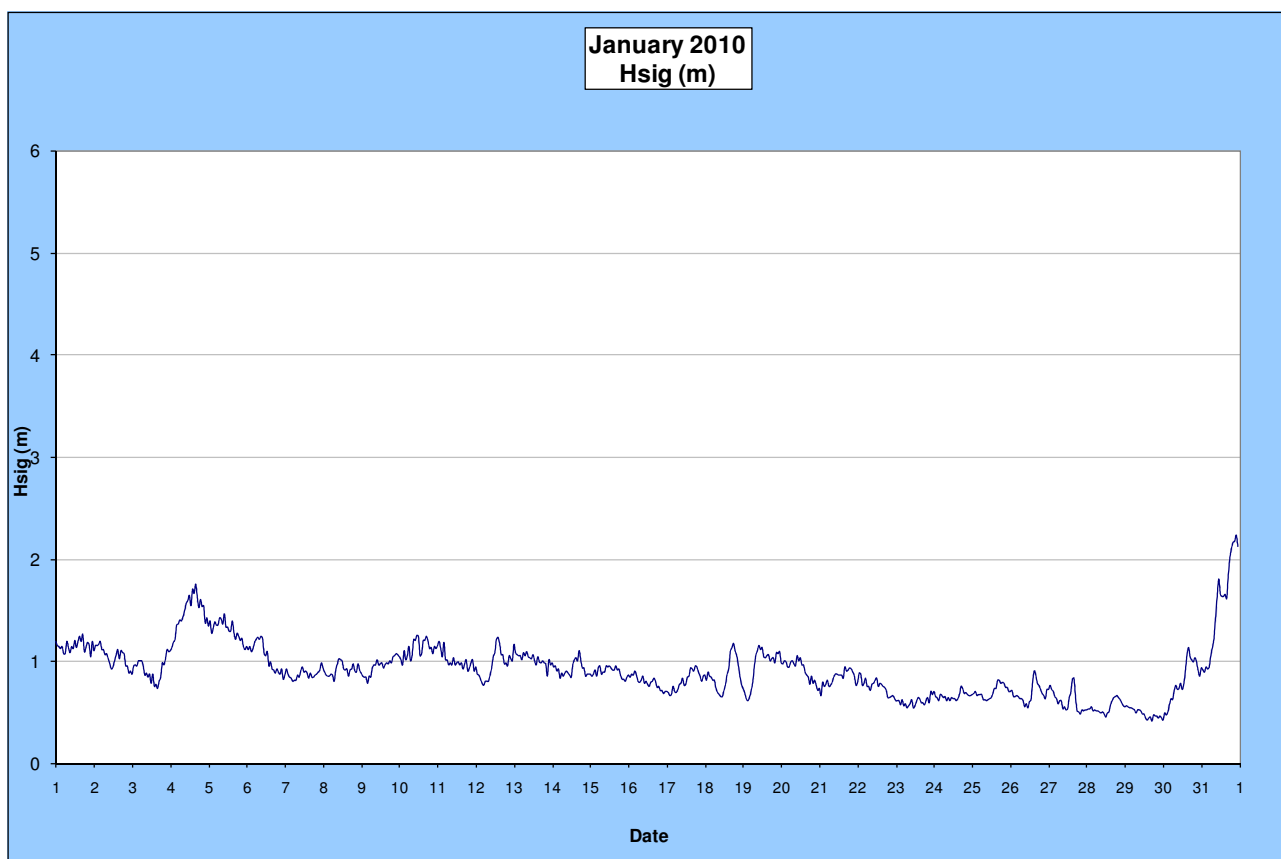
Monthly minimum significant wave height: 0.4 m on 29 January

Monthly maximum significant wave height: 2.2 m on 31 January

Number of days with waves below 1.0 m: 28 days

Number of days with waves above 2.0 m: 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 & SURF LIFE SAVING EVENTS

- 5-7 February, Rhythm Kirra Teams Challenge, Kirra

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 on the Southern Gold Coast
1-3 Jan	Small E waves, light morning winds, 'peaky' waves.
4-9 Jan	Very small to small E waves, mainly clean conditions.
10-16 Jan	Small E waves, mainly light winds, 'good looking' mornings.
17-19 Jan	Tiny E waves, suitable for long-board surfing only.
20-22 Jan	Small ESE waves, clean morning conditions, wind affected waves in afternoons.
23-30 Jan	Very small to small ENE-ESE waves, 'uneven' swell conditions.
31 Jan	Small SE waves, light winds, good peeling waves on points.

END