

TRESBP ENVIRONMENTAL MONITORING SUMMARY

DECEMBER 2009

OVERVIEW

In December 2009:

- 8,044 m³ of sand was pumped to Snapper Rocks East.
- Two media articles referred directly to the project, both were neutral in view.
- Entrance conditions were fairly good with 2,009 boat crossings recorded (about 90% of the December average).
- Surf quality from Duranbah to Kirra was poor to average, with very small to average sized waves from variable directions throughout the month.
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 10,185 m³ (only about 40% of the December average).

1. SAND PUMPING & DREDGING

Sand Delivery December 2009

Pumped:	8,044m ³
Dredged:	0m ³
Total:	8,044m ³

Sand Delivery January to December 2009

Pumped:	409,232m ³
Dredged:	0m ³
Total:	409,232m ³

Sand Delivery January to December 2008

Pumped:	585,809m ³
Dredged:	198,979m ³
Total:	784,788m ³

Stage II Sand Delivery May 2000 to December 2009

Pumped:	5,415,129m ³
Dredged:	1,979,755m ³
Total:	7,389,884m ³



Land and Property
Management Authority

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



Queensland Government

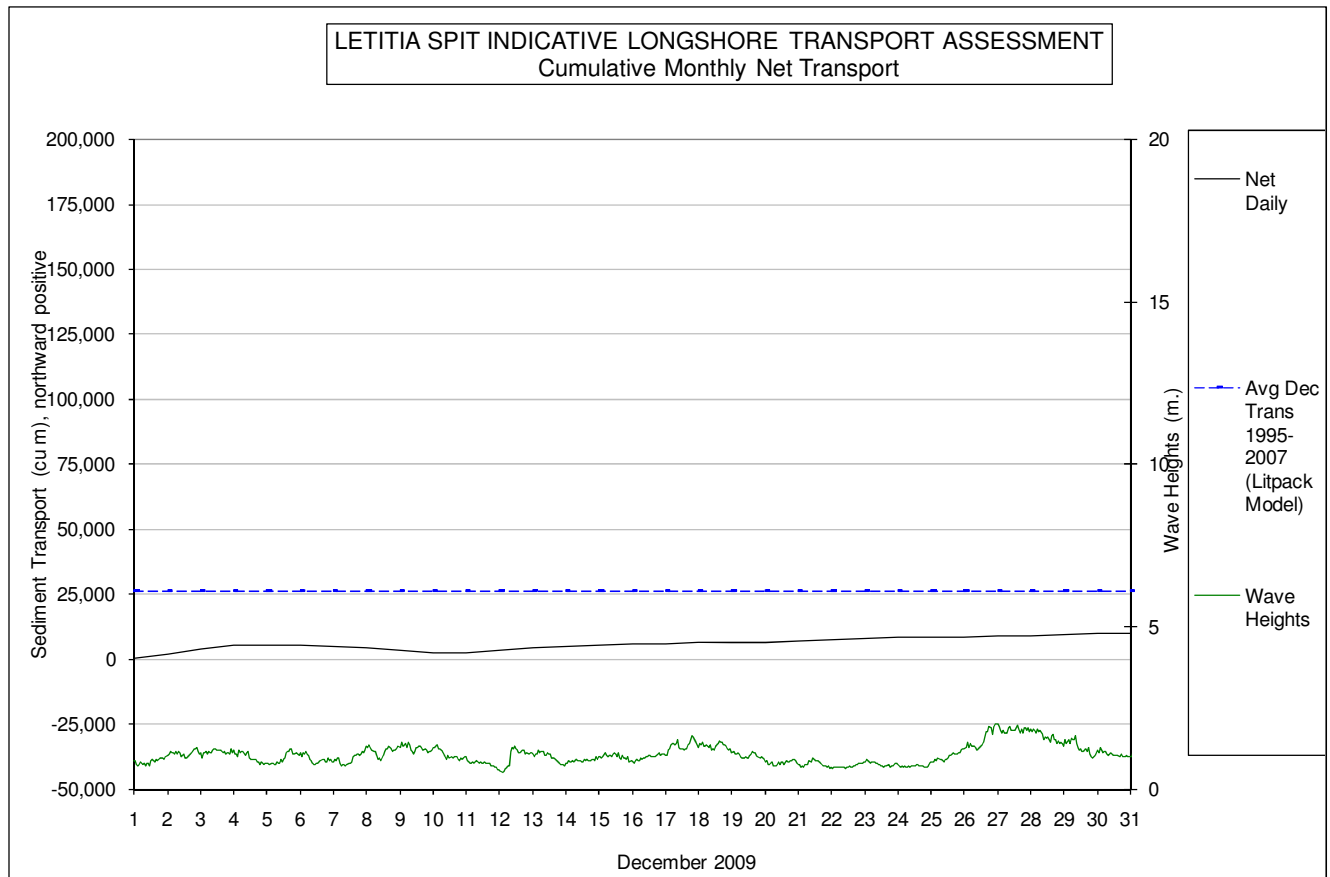


2. INDICATIVE LONGSHORE TRANSPORT

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

December 2009 estimated natural sand transport (moving N towards Tweed entrance): 10,185 m³.

This result is about 40 % of the average sand transport quantity for the month of December.




3. MEDIA COVERAGE

Gold Coast Bulletin, 18th December, "Kirra ready to pump"

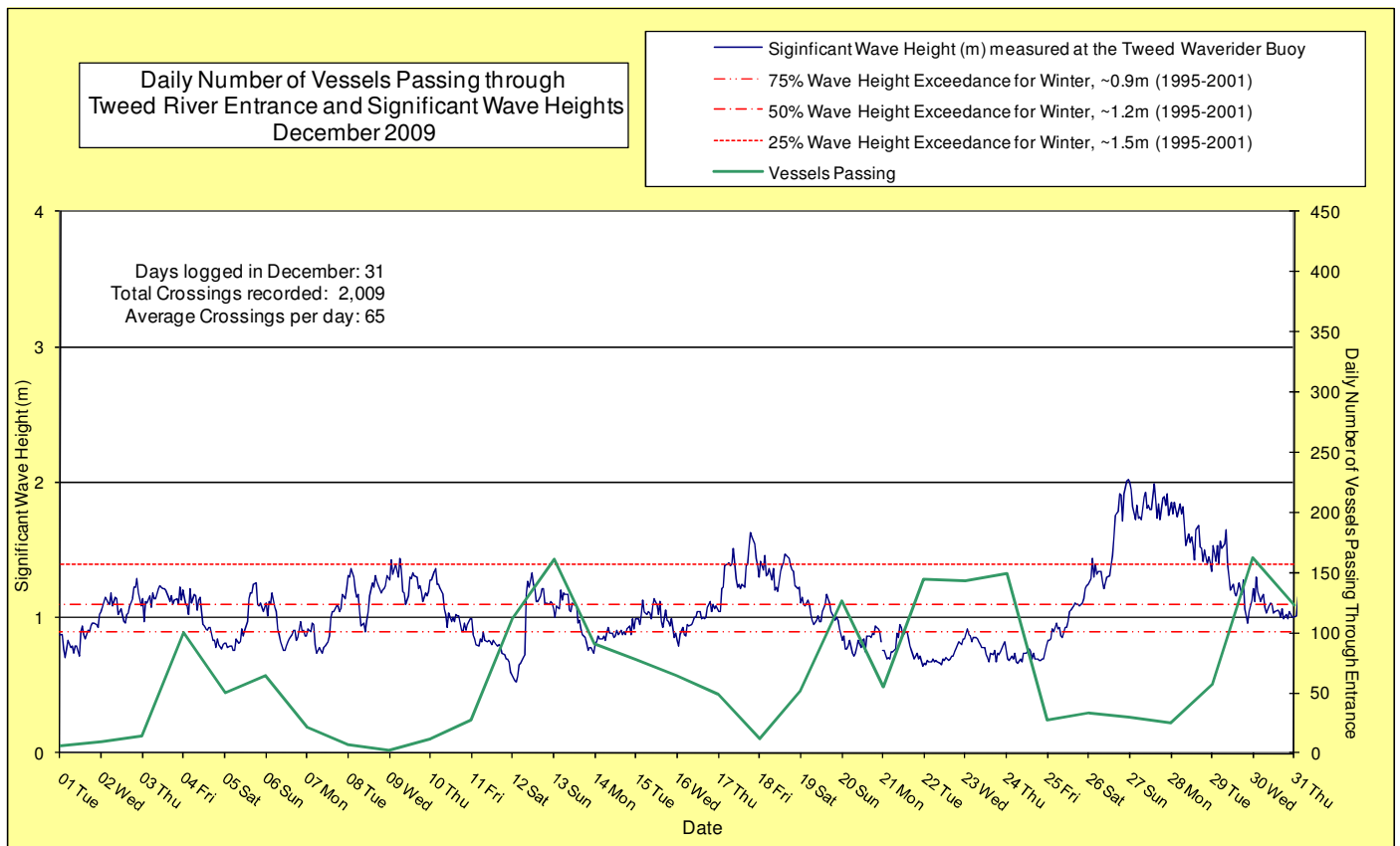
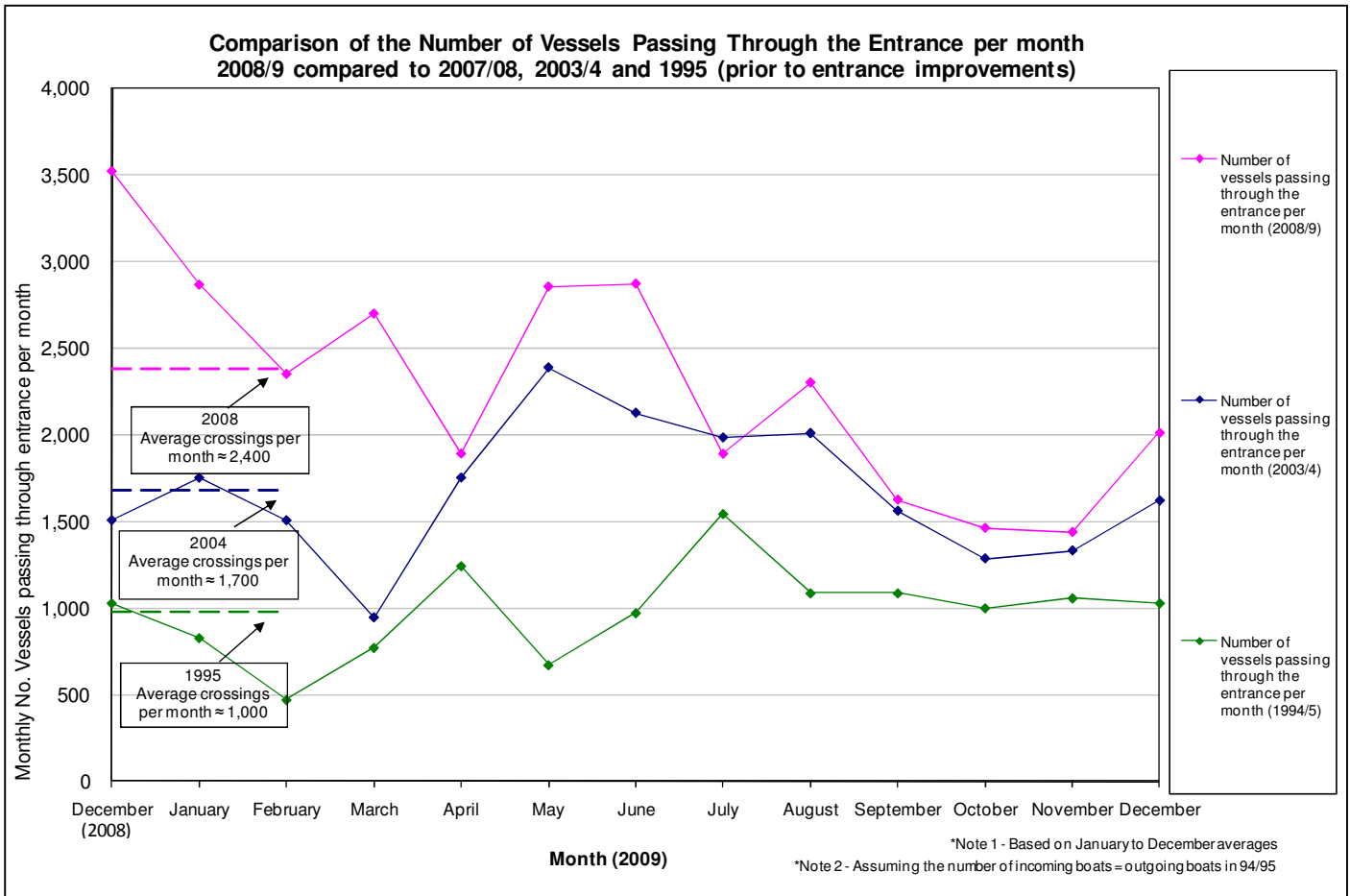
"Meanwhile a study into redesigning the Tweed River entrance sand bypassing project, which caused the sand saturation, is expected to get underway within weeks."

Gold Coast Bulletin, 27th December, "Quiksilver Pro may go if surf stays flat"

"The Tweed River Entrance Sand Bypassing Project is now pumping less sand and the flow could soon be stopped altogether, hammering the final nail into the Superbank's coffin."

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	Not recorded for this month						6
2 nd	↑						10
3 rd							14
4 th							100
5 th							50
6 th							65
7 th							22
8 th							7
9 th							2
10 th							12
11 th							28
12 th							112
13 th							161
14 th							91
15 th							77
16 th							64
17 th							49
18 th							12
19 th							51
20 th							126
21 st							55
22 nd							144
23 rd							143
24 th							149
25 th							28
26 th							34
27 th							30
28 th							25
29 th							57
30 th	↓						162
31 st							123
							2,009



5. WAVE & SURFING CONDITIONS

Dominant swell condition: Mainly 0.5 to 1.5 m waves from variable swell directions.

High sea events: None

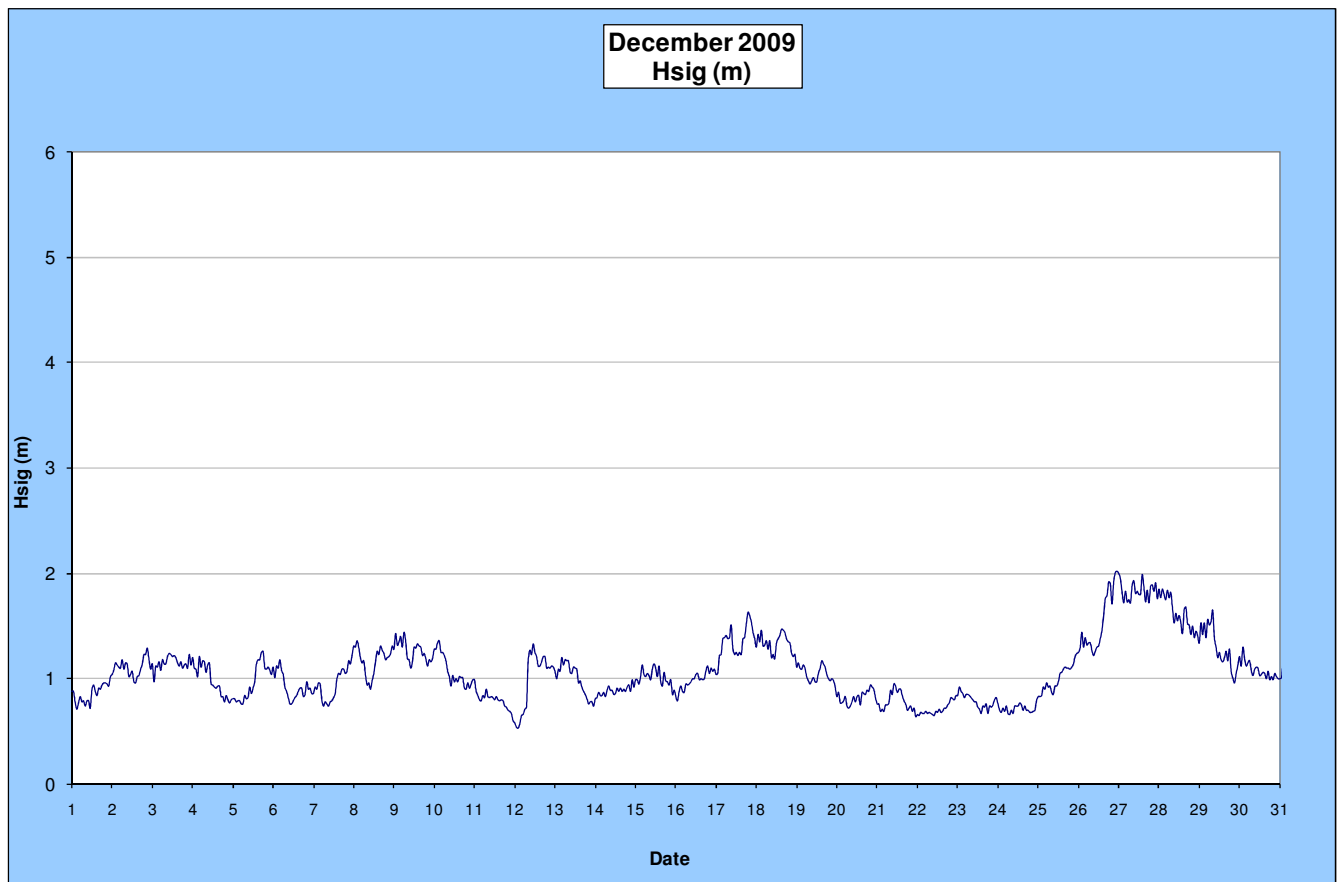
Monthly minimum significant wave height: 0.5 m on 12 December

Monthly maximum significant wave height: 2.0 m on 26 December

Number of days with waves below 1.0 m: 24 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

- 27 Jan 2010 – Coastalwatch Surf for Life, Snapper Rocks

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
1-26	Flat to small swell from variable directions. Light winds and clean conditions, weak waves.
27-31	Slight increase in swell from ENE. Light winds and fun waves on the points.

END