

TRESBP ENVIRONMENTAL MONITORING SUMMARY

AUGUST 2009

OVERVIEW

In August 2009:

- 34,061 m³ of sand was pumped.
- Two media articles referred directly to the project, both were negative in view.
- Entrance conditions were mainly difficult with 2,300 boat crossings recorded (close to the August average).
- Surf quality from Duranbah to Kirra was mainly poor to average due to a lack of swell, except for during 1 and 14-17 August when conditions were average to good.
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 25,000 m³ (about half the August average).

1. SAND PUMPING & DREDGING

Sand Delivery August 2009

Snapper Rocks East:	22,853m ³
Snapper Rocks West:	7,797m ³
Duranbah:	3,411 m ³
Total:	34,061m ³

Sand Delivery January to August 2009

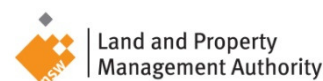
Pumped:	315,129m ³
Dredged:	0m ³
Total:	315,129m ³

Sand Delivery January to August 2008

Pumped:	464,434m ³
Dredged:	151,590m ³
Total:	616,024m ³

Stage II Sand Delivery May 2000 to August 2009

Pumped:	5,321,026m ³
Dredged:	1,979,755m ³
Total:	7,300,781m ³



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

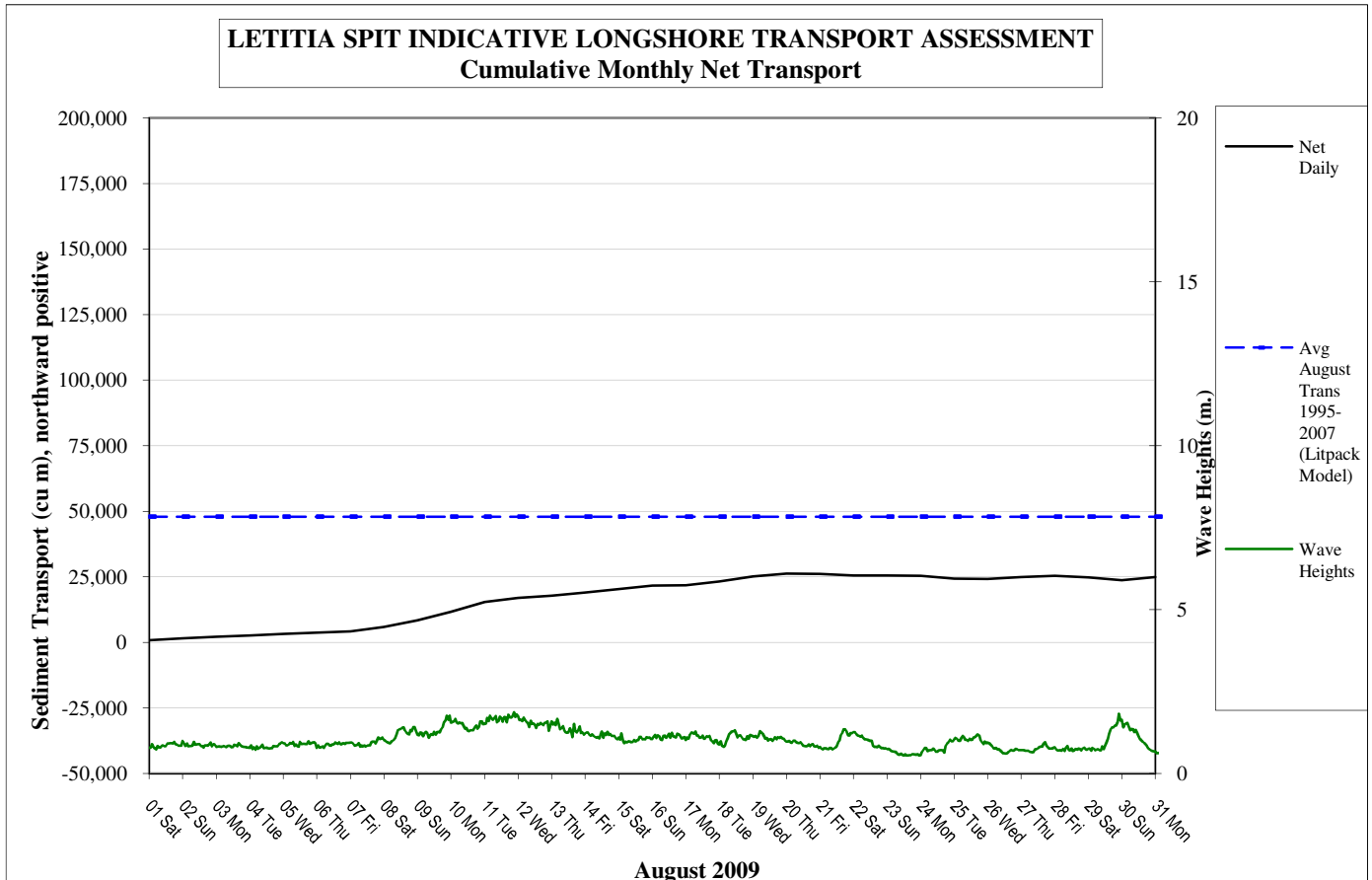


2. INDICATIVE LONGSHORE TRANSPORT

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

August 2009 estimated natural sand transport (moving N towards Tweed entrance): 24,911 m³.

This result is about half the average sand transport quantity for the month of August.



3. MEDIA COVERAGE

ABC News, 17 August 2009, 'Call for review of Tweed dredging contract'


"Greens MLC Ian Cohen says the contract for dredging the mouth of the Tweed River should be reviewed..."I actually suggested that they should get a different style of contract so that the contractor's paid not just by the volume, but they can operate it in a way that fits with season and resultant build up of sand," he said."

Surfing Life Magazine, 21 August 2009, 'Snapper or Kirra, take your pick'

"Nick [Carroll] described how in May last year, the amount of sand pumped south of Snapper would be cut in half, which would more than likely signal the beginning of the end of the Superbank."

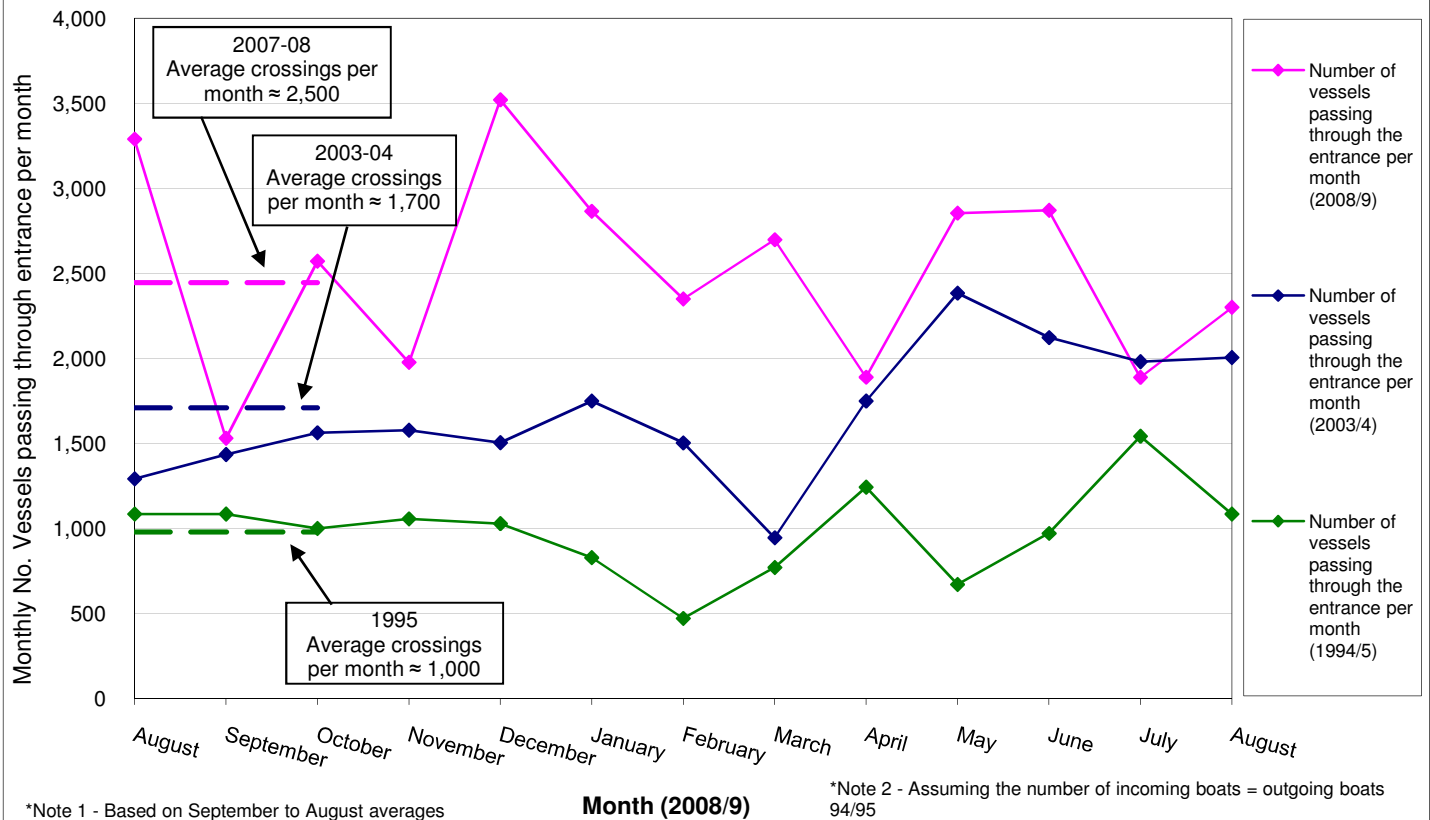
4. TWEED RIVER ENTRANCE CONDITIONS

VOLUNTEER MARINE RESCUE MONITORING RESULTS

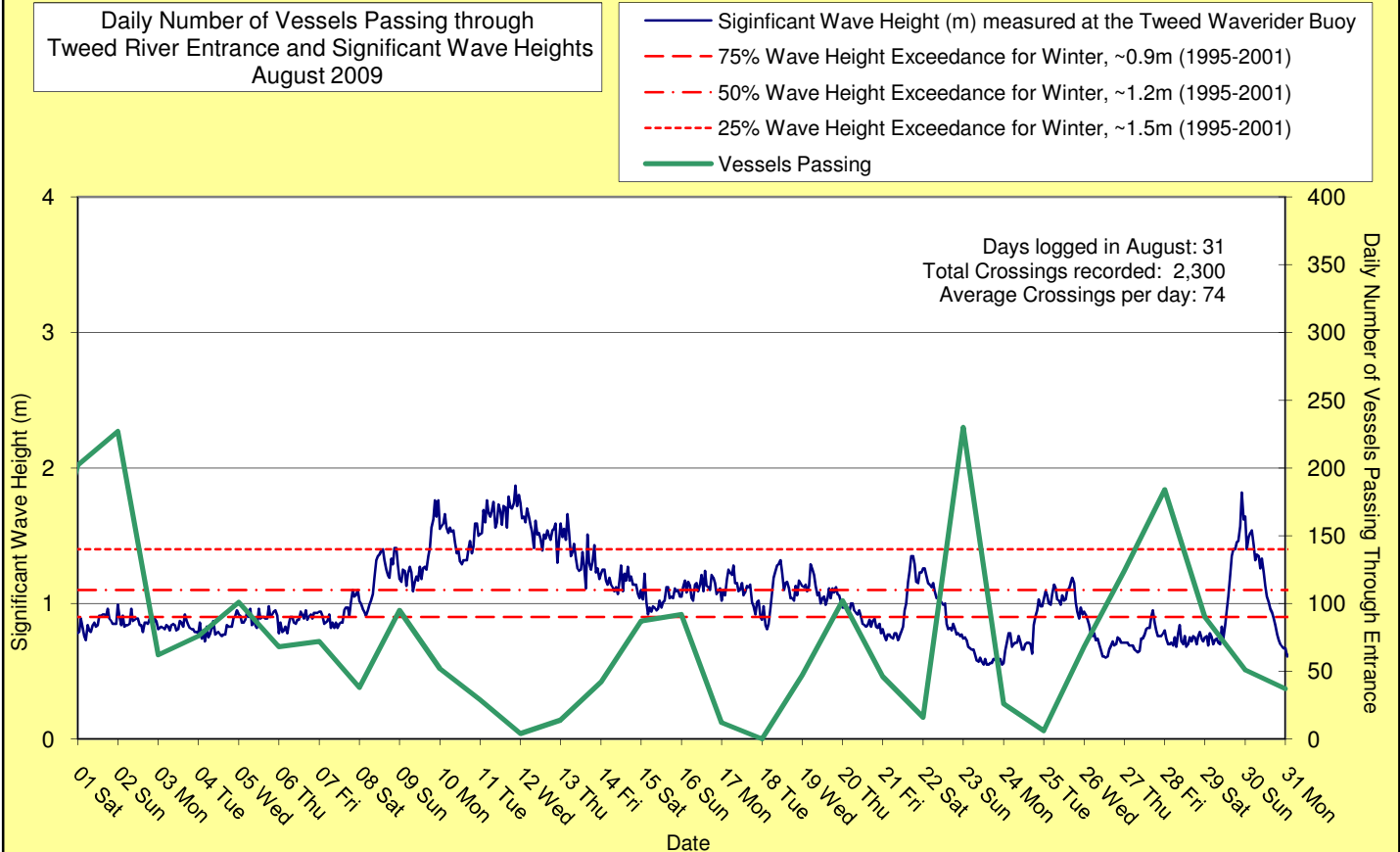
 Weekends and public holidays

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 this month						202
2 nd	↑						227
3 rd							62
4 th							76
5 th							101
6 th							68
7 th							72
8 th							38
9 th							95
10 th							52
11 th							29
12 th							4
13 th							14
14 th							42
15 th							87
16 th							92
17 th							12
18 th							0
19 th							47
20 th							102
21 st							46
22 nd							16
23 rd							230
24 th							26
25 th							6
26 th							68
27 th							124
28 th							184
29 th							90
30 th							51
31 st	↓						37
							2,287

Comparison of the Number of Vessels Passing Through the Entrance per month 2008/9 compared to 2007/08, 2003/4 and 1995 (prior to entrance improvements)



Daily Number of Vessels Passing through Tweed River Entrance and Significant Wave Heights August 2009



5. WAVE & SURFING CONDITIONS

Dominant swell condition: Calm ESE waves for the first three weeks of the month, followed by calm waves from variable directions (N-ESE).

High sea events: None

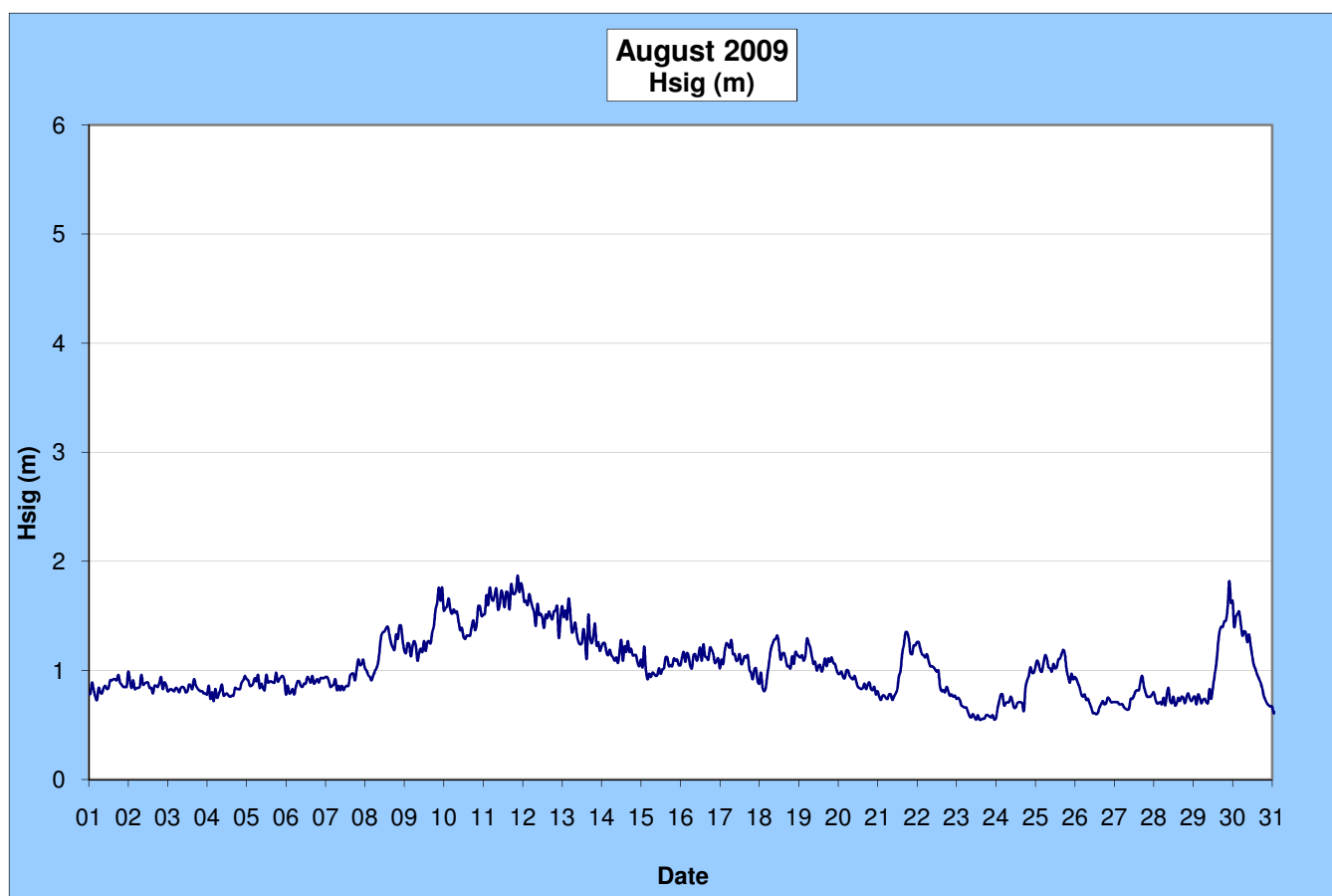
Monthly minimum significant wave height: 0.55 m on 23 August

Monthly maximum significant wave height: 1.87 m on 11 August

Number of days with waves below 1.0 m: 24 days

Number of days with waves above 2.0 m: 0 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

- Adult Surf Camp – 7 to 9 September, Tweed-Byron Coast
- Mambo Pro Jnr Boys Surf Camp - 13 to 15 September, Tweed-Byron Coast
- O&E Teenage Rampage – 19 to 20 September, Gold Coast
- Grommet Boys Surf Camp – 21 to 23 September, Tweed-Byron Coast
- Bodyboard Camp – 28th September to 2nd October, 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 on the Southern Gold Coast
1 Aug	Average sized waves from the SE, light offshore breezes. Good surfing conditions.
2-8 Aug	Small waves from the SE to ESE, afternoon sea breezes. Average surfing conditions.
9-13 Aug	Average waves from the SE to E building to above-average size then slowly dropping, wind affected at times. Average surfing conditions.
14-17 Aug	Average waves from the E, clean conditions and light winds. Good surfing conditions.
18-30 Aug	Tiny to small waves from variable directions (SSE to NE), light winds. Poor to average surfing conditions.

END