

TRESBP ENVIRONMENTAL MONITORING SUMMARY

FEBRUARY 2013

OVERVIEW

In February, 2013:

- 29,178 m³ of sand was pumped to Snapper Rocks East.
- There were two media articles which related to the project regarding proposed sand bypassing improvements.
- Sea conditions were average for most of the month with a major storm (occurring from 19th to 23rd) with peak significant wave heights reaching 4.1 m. Wave directions varied mostly from ENE to ESE.
- 817 vessel crossings were recorded for the month (this is about half of the February average).
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was in the order of 122,000 m³ (this is more than twice the February average of about 54,000 m³).

1. SAND PUMPING & DREDGING

Sand Delivery February 2013

Pumped:	29,178 m ³
Dredged:	0 m ³
Total:	29,178 m ³

Sand Delivery January to February 2013 (YTD)

Pumped:	69,296 m ³
Dredged:	0 m ³
Total:	69,296 m ³

Sand Delivery January to February 2012

Pumped:	57,451 m ³
Dredged:	0 m ³
Total:	57,451 m ³

Stage II Sand Delivery May 2000 to January 2013

Pumped:	6,805,116 m ³
Dredged:	2,039,904 m ³
Total:	8,845,020 m ³

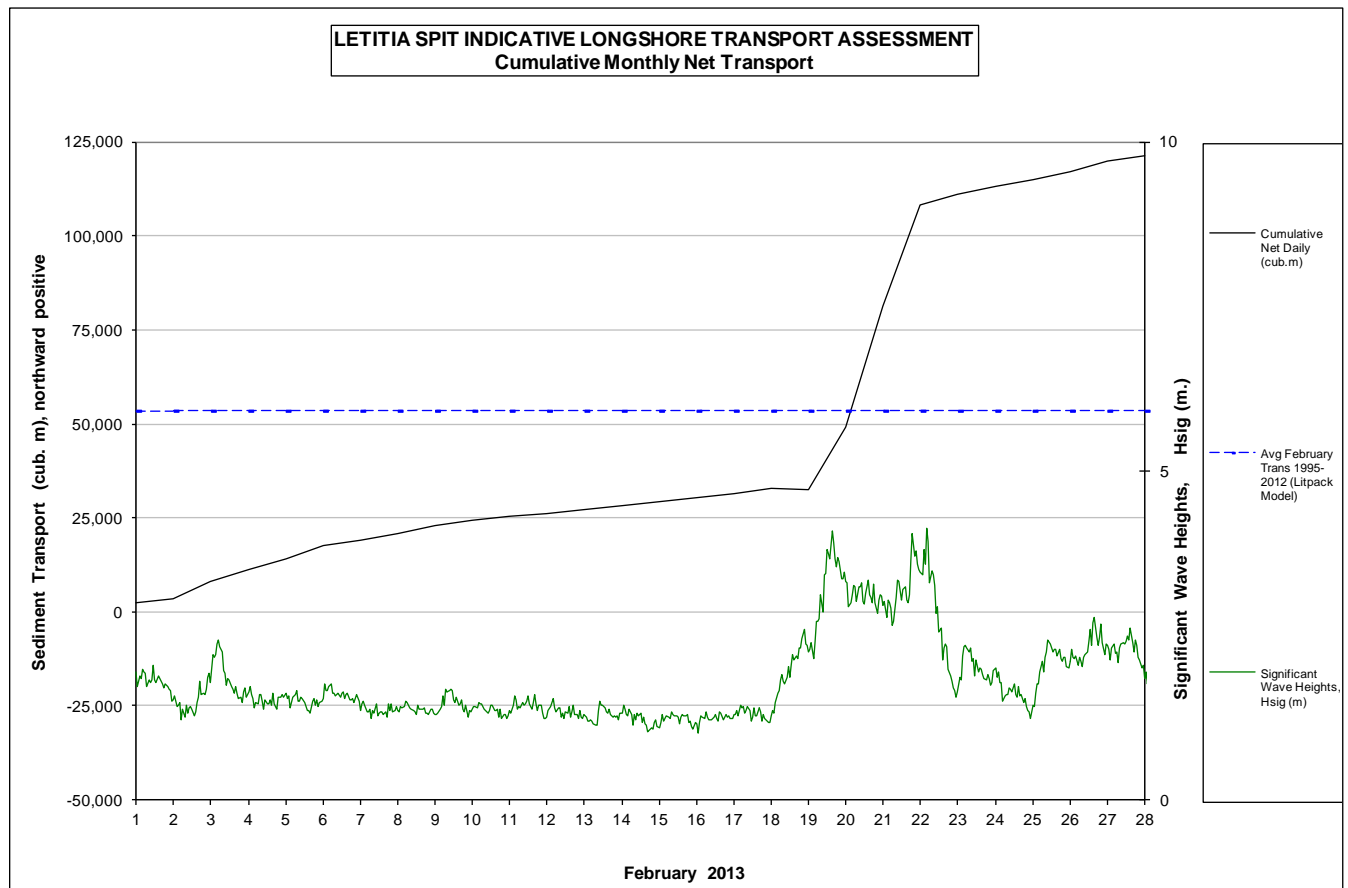


2. INDICATIVE LONGSHORE TRANSPORT

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

In February 2013 the estimated natural sand transport (moving North towards the Tweed River entrance): was calculated to be in the order of 122,000 m³.

This result is more than twice the average estimated sand transport quantity of approximately 54,000 m³ for the month of February.



3. MEDIA COVERAGE

There was a joint media release by NSW Trade and Investment, Crown Lands on behalf of both NSW and QLD governments on 14 February 2013 relating to future sand bypass options. The full article is provided below.

ABC1 Brisbane, ABC News 22 February 2013 7:08 pm interview with David Curnow, in part
 “However, on the southern Gold Coast, the Queensland and New South Wales governments agreed to look at new options for the Tweed River sand by-pass”....

No transcripts of this item appear to be available.

DATE: 14 February 2013

NSW & QLD GOVERNMENTS MOVE ON TWEED SAND BYPASS OPTIONS

The NSW and Queensland Governments have today released a report on public consultation over future options for improving the Tweed River Entrance Sand Bypassing Project.

Ms Alison Stone, the Chairperson of the project's NSW/Queensland Intergovernmental Working Group that is responsible for project planning said the consultation was undertaken to determine public attitudes on both sides of the Tweed River concerning four options to enhance the long term sand bypassing operations.

The four options were:

1. A new sand pumping outlet at North Kirra;
2. Alternative disposal locations for dredged sand;
3. A "one off" delivery of dredged sand to Kingscliff Beach for beach nourishment purposes; and
4. Sand "backpassing" to the south of the bypassing jetty along Letitia Beach.

"Following consideration of the public feedback, the NSW and Queensland Governments have reached agreement on the next stage of the project by directly pursuing two of the four options," Ms Stone said.

"The two options are:

- Disposing dredged sand at deep water locations offshore between Point Danger and Coolangatta and occasionally along Bilinga and Tugun beaches, and
- Investigating backpassing to deliver some sand to the south of the Tweed River entrance at northern Letitia Beach.

"The Tweed River Entrance Sand Bypassing Project has made the river entrance safer to navigate and delivered sand to several southern Gold Coast beaches, and it's important we build on the experience gained through a decade of operation and get the next stage of the project right.

"It is clear there is community concern about some of the proposed sand disposal outcomes and the Governments have taken those concerns on board, together with the advice of experts, before commencing more detailed investigations of the two favoured options.

More/

"In addition, the Governments have determined that they are agreeable to Tweed Shire Council investigating the option of removing sand from the Tweed River and placing it at Kingscliff to offset erosion, after there were no objections raised during public consultation."

Ms Stone said the first option – a new sand pumping outlet at North Kirra – won't be pursued at this time.

"The option of a new sand pumping outlet at North Kirra will not be pursued at this time although it is not being ruled out as a possible longer-term option," Ms Stone said.

"This is the most expensive option and would likely be used on a limited basis because of its impact on the sand supply to other beaches.

"The project plans to seek approval for alternative disposal locations for dredged sand, including in deeper water offshore between Point Danger and Coolangatta.

"Approvals will also be sought for occasional sand placement offshore from Bilinga and Tugun beaches, about three kilometres north of the current sand placement areas.

"The Governments support in principle the introduction of a capacity to "backpass" sand to allow sand to be placed south of the Tweed River entrance at northern Letitia Beach.

"This option requires further investigations to confirm designs and operational details and will be an important measure to help the project meet its objective of ensuring that the right amount of sand is delivered to southern Gold Coast beaches.

"We will keep the public informed as investigations proceed." Ms Stone said

The full report on the community consultation can be read on the project website www.tweedsandbypass.nsw.gov.au

ENDS

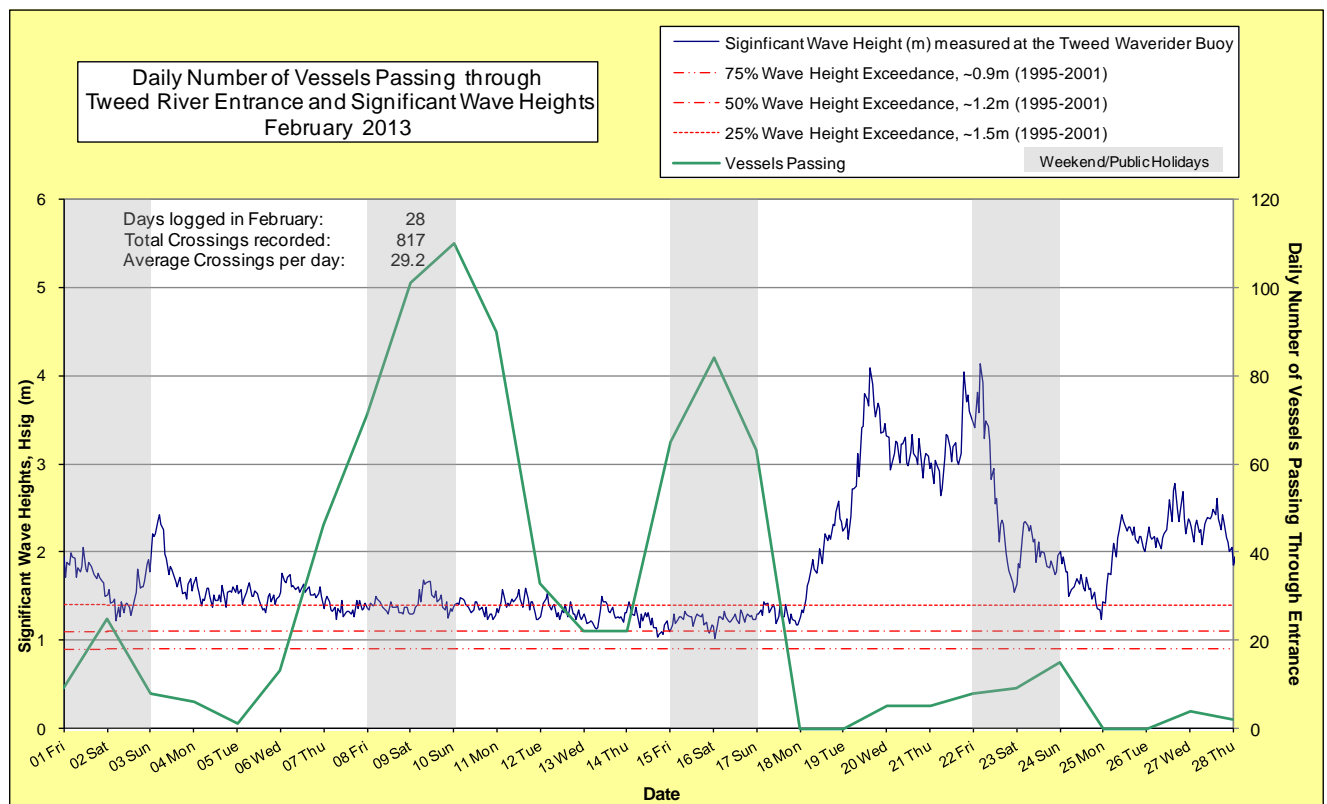
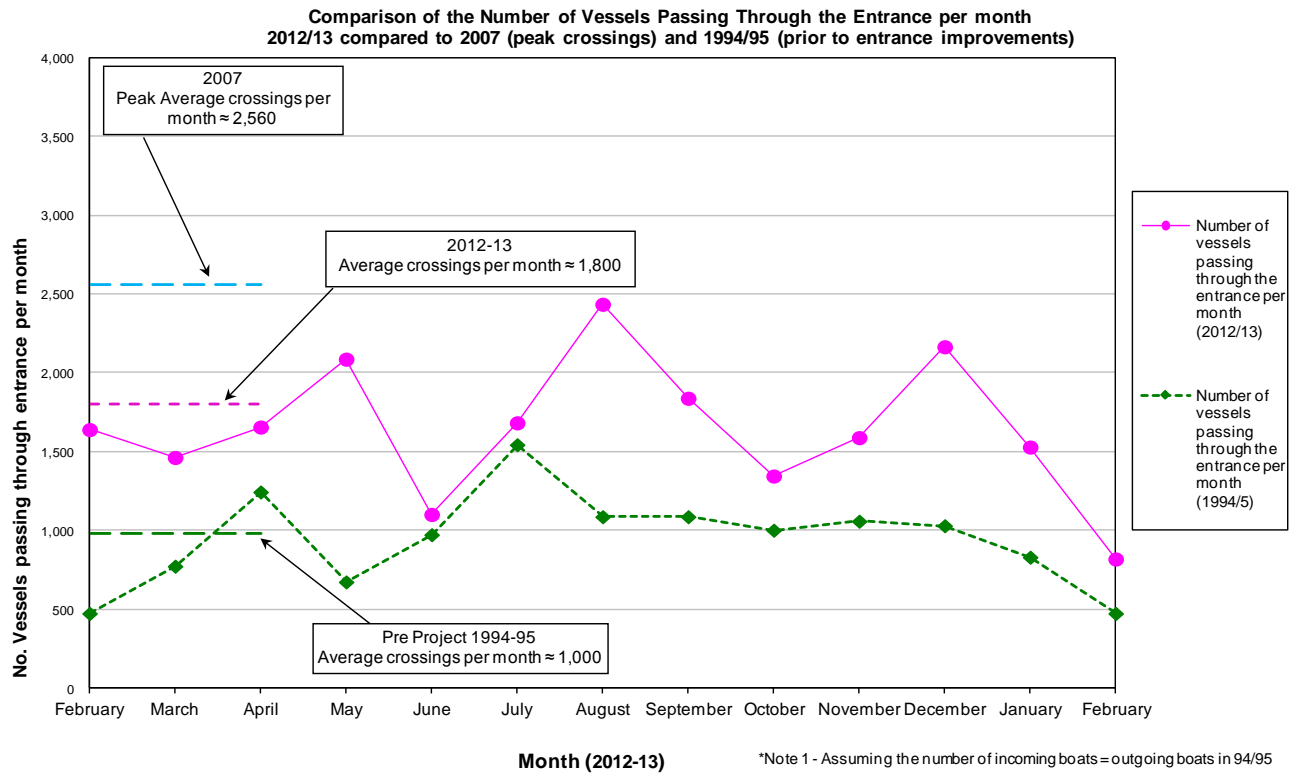
For more information contact:

John McClymont\Tel: (02) 8289 3937 or 0401 712 279

4. TWEED RIVER ENTRANCE CONDITIONS**MARINE RESCUE NSW - MONITORING RESULTS**
☐ Weekends and public holidays

Date	Navigation Rating Impassable-----Good					Number of Boats
	Impassable (1)	Difficulty Encountered (2)	Some Difficulty Encountered (3)	Relatively Good Crossing (4)	Good Conditions (5)	
1 st						9
2 nd						25
3 rd						8
4 th						6
5 th						1
6 th						13
7 th						46
8 th						71
9 th						101
10 th						110
11 th						90
12 th						33
13 th						22
14 th						22
15 th						65
16 th						84
17 th						63
18 th						0
19 th						0
20 th						5
21 st						5
22 nd						8
23 rd						9
24 th						15
25 th						0
26 th						0
27 th						4
28 th						2
					Total	817

Source: Marine Rescue NSW, Point Danger



5. WAVE CONDITIONS

Wave Conditions over the month: Significant wave heights were average for most of the month with a major storm event (occurring from the 19th to 23rd) with peak significant wave heights to 4.1 m. Wave direction ranged from ENE to ESE but dominantly from the ENE to E.

Major sea events: 19th to 23rd of February

Monthly minimum significant wave height: 1.0 m on 16th February.

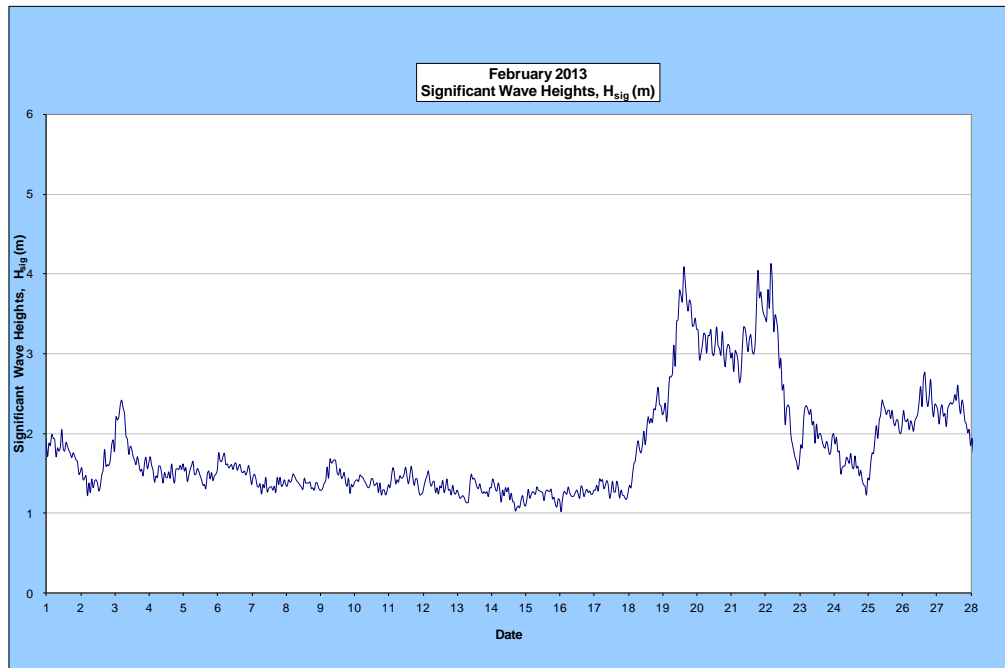
Monthly peak significant wave height: 4.1 m on 22nd January.

Number of days on which waves were below 1.0 m: 0 days

Number of days on which waves were above 2.0 m: 9 days

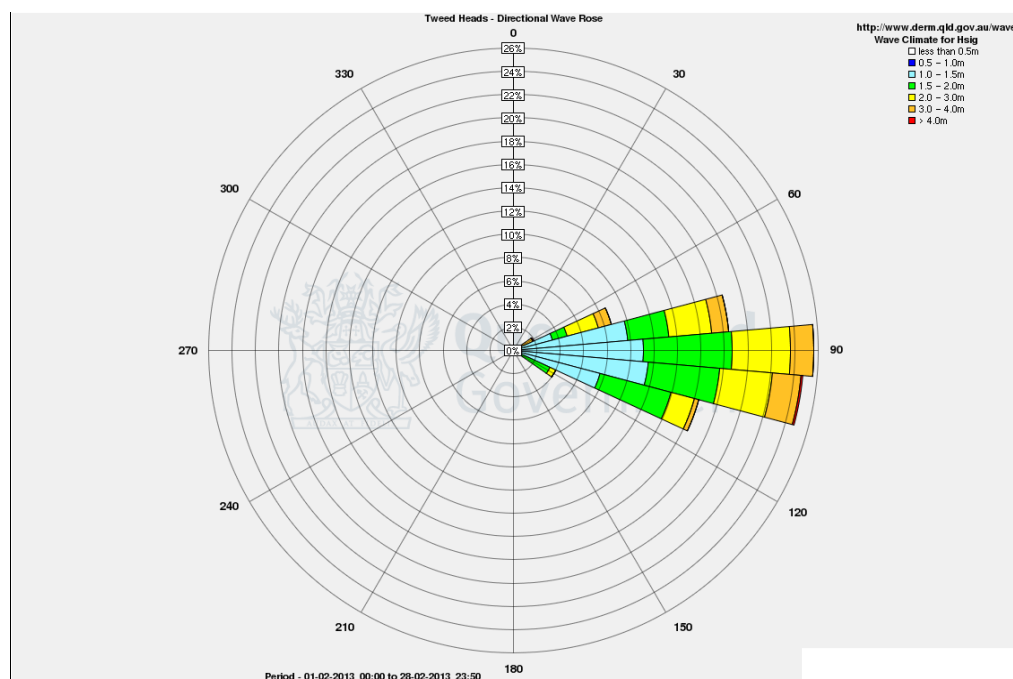
Note: Significant wave heights or H_{sig} is the average of the highest one third of recorded waves.

(Source: Tweed & Brisbane Wave Buoy; Queensland Government)



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

WAVE DIRECTION



Source: Queensland Government

END