TRESBP ENVIRONMENTAL MONITORING SUMMARY FEBRUARY 2010

OVERVIEW

In February 2010:

- 58,309 m^3 of sand was pumped to Snapper Rocks East.
- Entrance monitoring recorded 875 boat crossings (44% less than the February average). Five days were recorded as impassable conditions and another nine days recorded as difficulty encountered in passing through the river entrance.
- Moderate seas coincided with three weekends significantly reducing the number of crossings during the normally high usage weekend period.
- Generally waves were above average to moderate for about 50% of the month ranging from ENE to ESE.
- The estimated amount of sand moving north towards the Tweed River Entrance by natural processes was about 50,000 m^3 (about 90% of the February average).

1. SAND PUMPING & DREDGING

Sand Delivery February 2010

Pumped:	58,309m^3
Dredged:	0m^3
Total:	58,309m^3

Sand Delivery January to February 2010 (YTD)

Pumped:	64,950m^3
Dredged:	0m^3
Total:	64,950m^3

Sand Delivery January to February 2009

Pumped:	73,294m^3
Dredged:	0m^3
Total:	73,294m^3

Stage II Sand Delivery May 2000 to February 2010

Pumped:	5,480,079m^3
Dredged:	2,038,900m^3
Total:	7,518,979m^3

Land and Property Management Authority

Department of Environment and Resource Management

Queensland Government

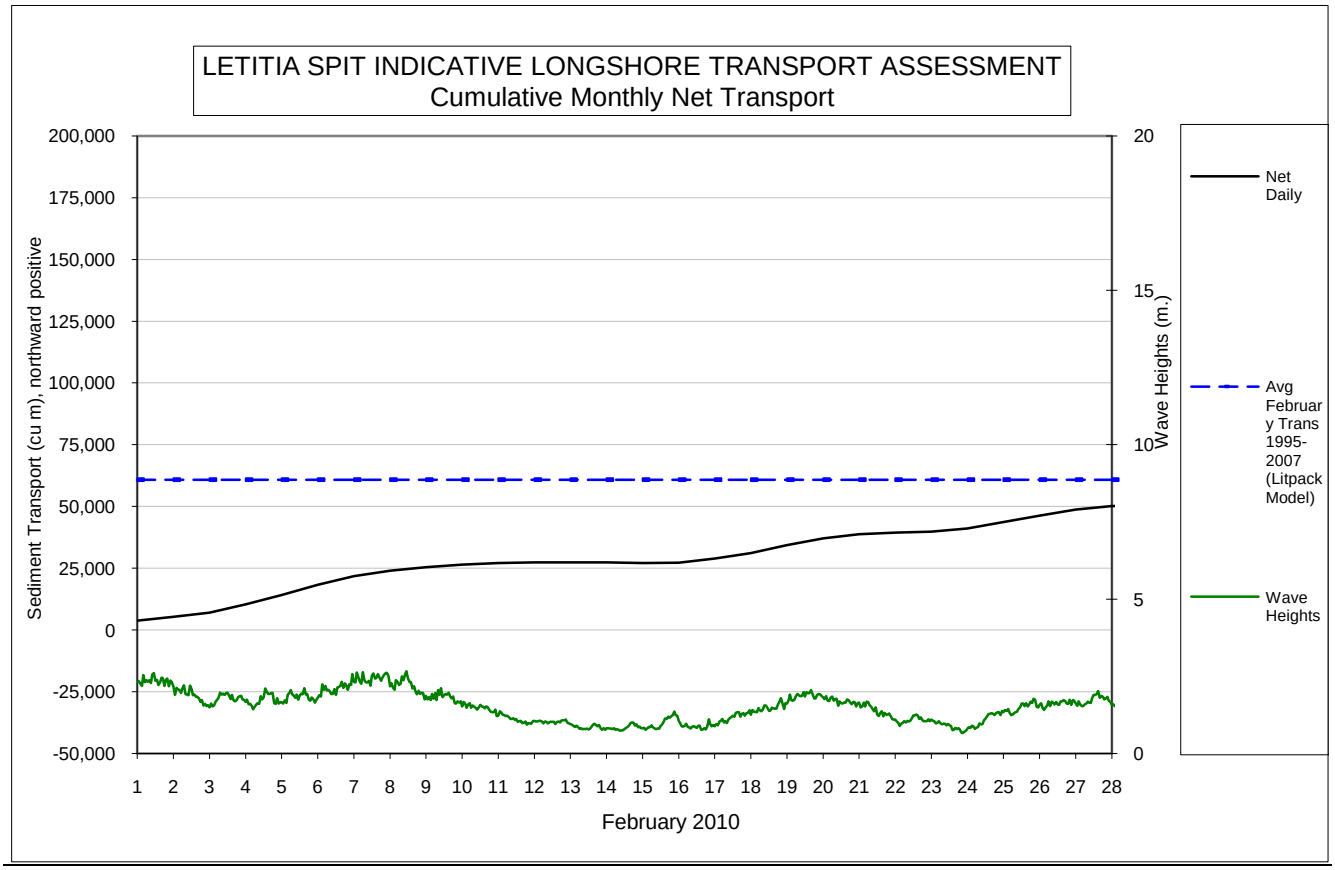
TRESBC TWEED RIVER ENTRANCE SAND BYPASSING COMPANY

2. INDICATIVE LONGSHORE TRANSPORT

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

February 2010 estimated natural sand transport (moving N towards Tweed entrance): 50,000 m³.

This result is about 90 % of the average sand transport quantity for the month of February.



3. MEDIA COVERAGE

No articles found this month.

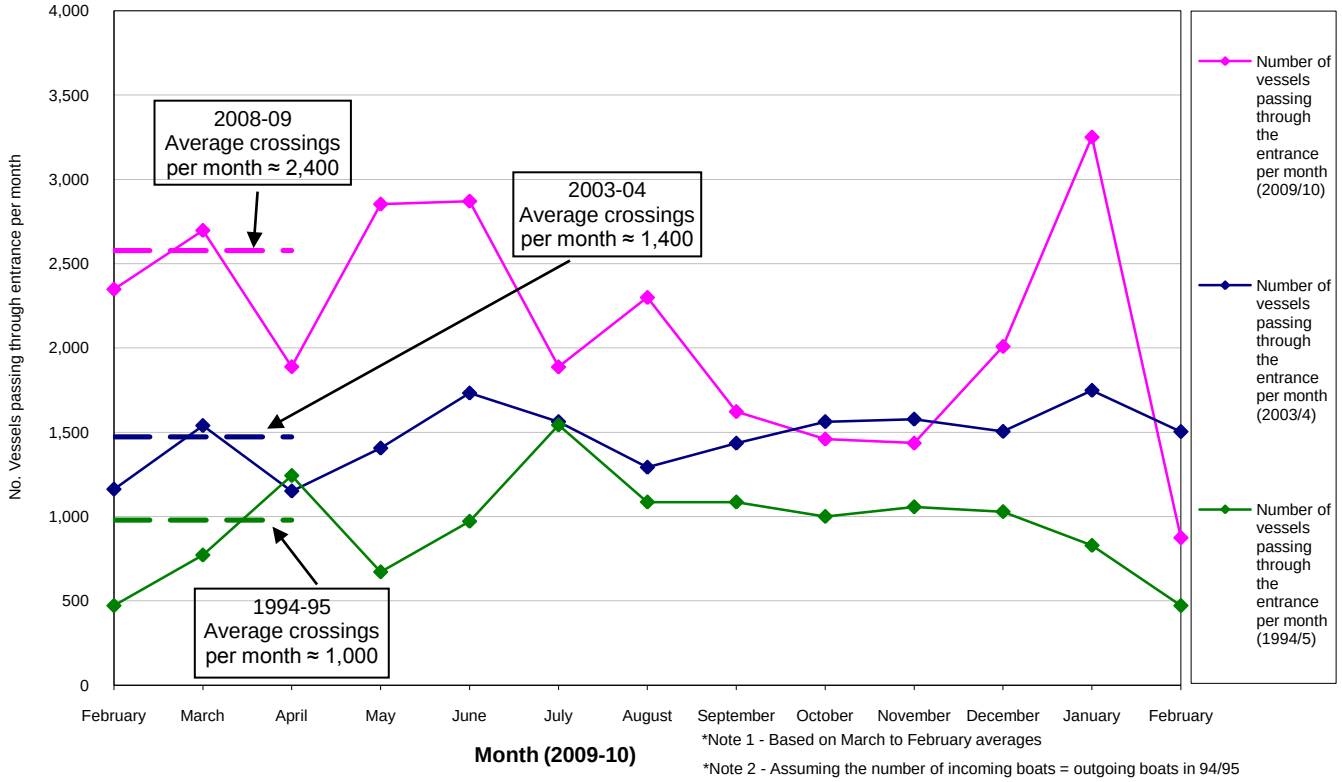
4. TWEED RIVER ENTRANCE CONDITIONS

VOLUNTEER MARINE RESCUE MONITORING RESULTS

Weekends and public holidays

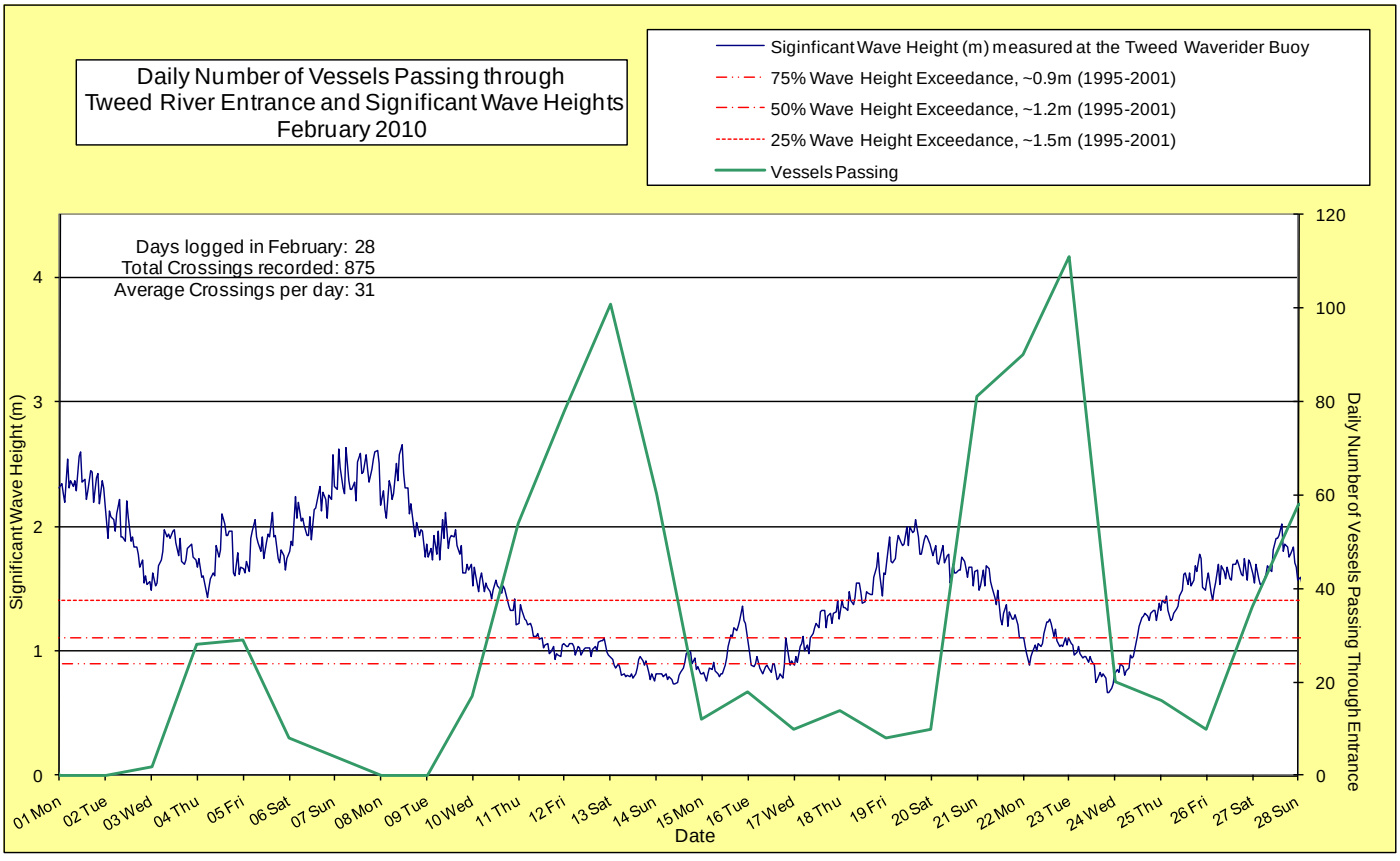
Date	Navigation Rating Impassable----------Good					Number of Boats
	Impassable	Difficulty Encountered	Some Difficulty Encountered	Relatively Good Crossing	Good Conditions	
1st						0
2nd						0
3rd						2
4th						28
5th						29
6th						8
7th						4
8th						0
9th						0
10th						17
11th						54
12th						78
13th						101
14th						60
15th						12
16th						18
17th						10
18th						14
19th						8
20th						10
21st						81
22nd						90
23rd						111
24th						20
25th						16
26th						10
27th						36
28th						58
					Total	875

Comparison of the Number of Vessels Passing Through the Entrance per month 2009/10 compared to 2008/09, 2003/4 and 1995 (prior to entrance improvements)



*Note 1 - Based on March to February averages

*Note 2 - Assuming the number of incoming boats = outgoing boats in 94/95



5. WAVE & SURFING CONDITIONS

Dominant swell condition: Above average/moderate seas for first 10 days and two later moderate events (19th & 27th) with intervening calm to average conditions. Wave direction fluctuated from ENE-ESE.

High sea events: 2.66m on 8 February

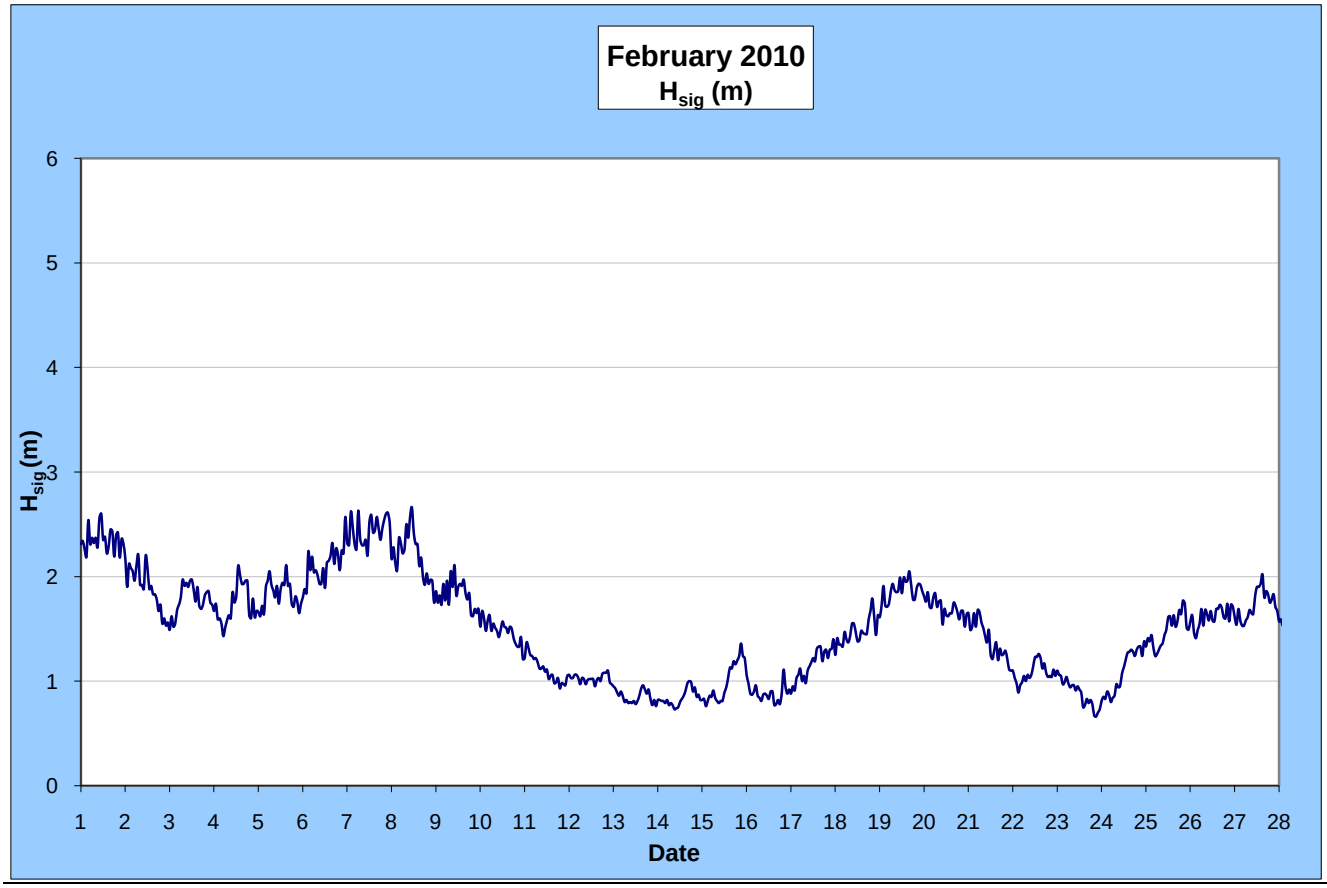
Monthly minimum significant wave height: 0.66m on 23 February

Monthly maximum significant wave height: 2.66m on 8 February

Number of days with waves below 1.0 m: 5 days

Number of days with waves above 2.0 m: 4 days

(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

- 26 February to 10 March, Roxy Pro and Quicksilver Pro Surfing Titles.

Source: Surfing Australia & Surf Life Saving Queensland

PHOTOGRAPHS OF SURF CONDITIONS

Duranbah 5 February (source: Coastalwatch)

Snapper, 6 February 2010 (source: Perfect Wave Gallery)

Snapper, 8 Feb 2010 (source: Coastalwatch)

Snapper 11 February (source: Swellnet)

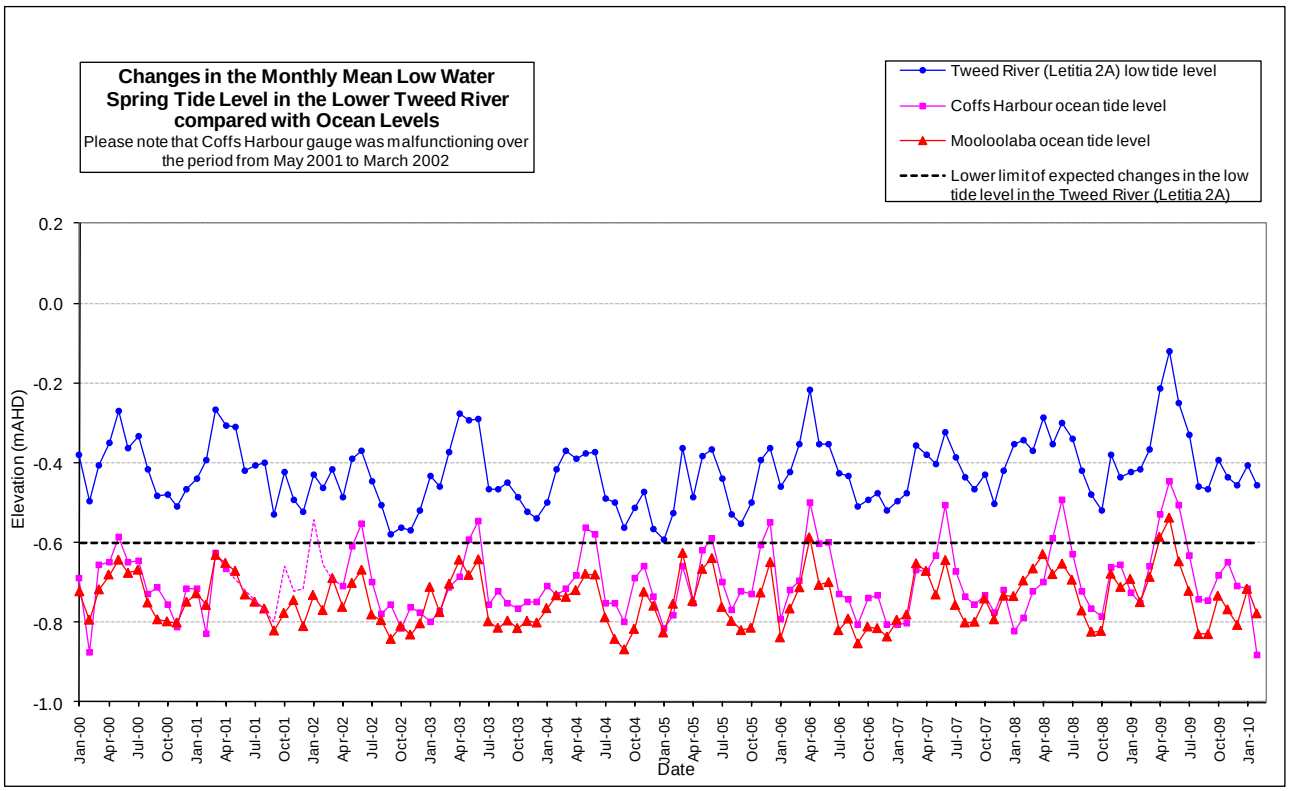
Kirra 3 February (source: Swellnet)

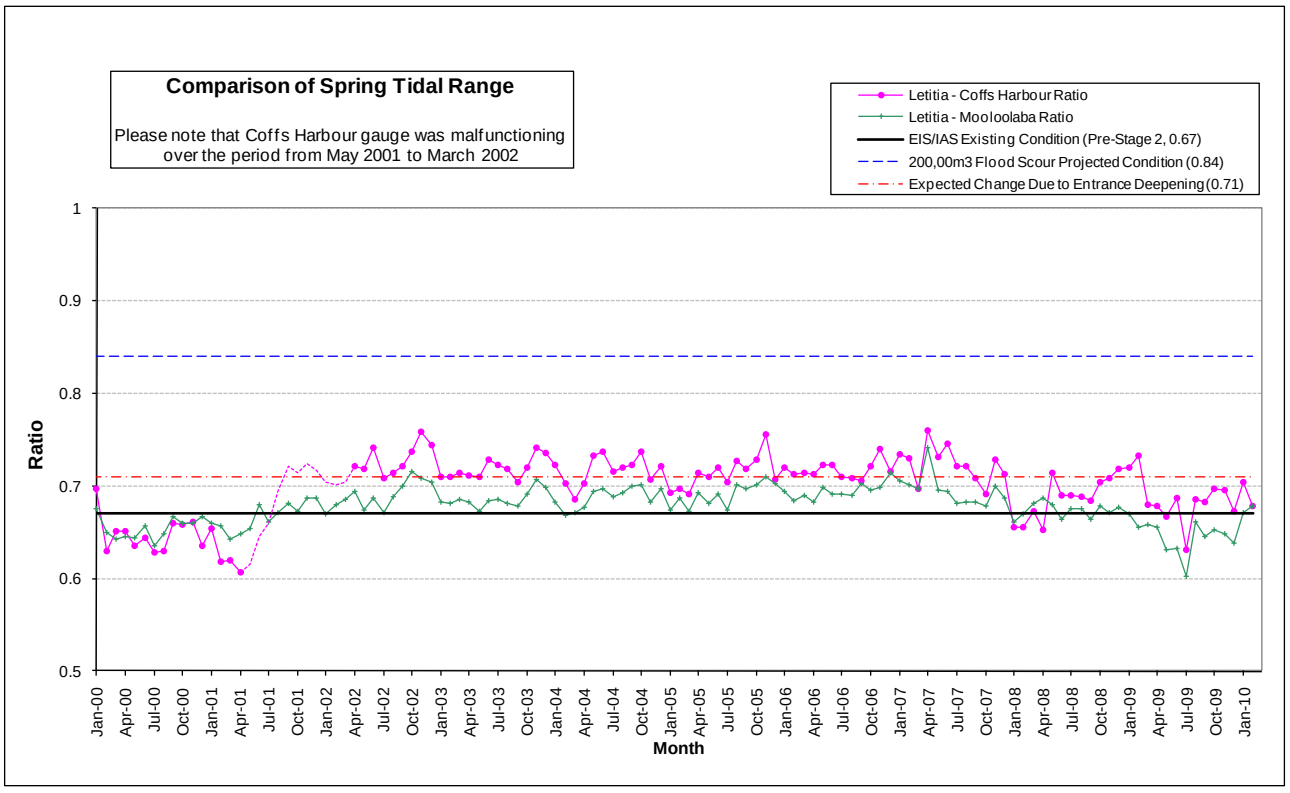
6. TIDES

Tweed River February Mean Low Water spring (MLWS) tide level: -0.458m AHD

The TRESBP has not had a significant impact on the Lower Tweed River tidal range to February 2010.

Next set of data is due in September 2010 (six months).





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