

**IN THE MATTER OF  
THE QUEENSLAND FLOODS COMMISSION OF INQUIRY**

**A COMMISSION OF INQUIRY UNDER THE  
COMMISSIONS OF INQUIRY ACT 1950**

**AND PURSUANT TO  
COMMISSIONS OF INQUIRY ORDER (No. 1) 2011**

**FOURTH STATEMENT OF TERRENCE ALWYN MALONE**

On the 24<sup>th</sup> day of October 2011, I, Terrence Alwyn Malone of 240 Margaret St, state on oath:

1. I am employed by Queensland Bulk Water Supply Authority (*Seqwater*) in the position of Principal Hydrologist, Water Delivery.
2. I refer to my third statement, sworn on 20 October 2011.
3. I have had communications with Maritime Safety Queensland (*MSQ*) regarding the discrepancy between the MSQ-operated Brisbane Port Office Gauge and the Seqwater-operated Brisbane ALERT gauge.
4. On 20 October 2011 I received an email from Daryl Metters of MSQ in which Mr Metters explained that, both before and after the January 2011 flood event, there were discrepancies between the automated readings from the Port Office Gauge and the manual readings taken from the associated gauge board (the staff gauge). In each case the Port Office gauge recorded a lower water level than the water level shown on the associated manual gauge board.
5. Now produced and shown to me and marked "TM-1" is a copy of the email correspondence I had with MSQ.

**SWORN** by **TERRENCE ALWYN MALONE** on 24 October 2011 at Brisbane in the presence of:



Deponent

  
Solicitor 

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Filed on behalf of: Queensland Bulk Water Supply Authority trading as Seqwater

**Allens Arthur Robinson**  
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sfwb A0119123706v1 120128021

"TM-1"

**Webster, Stewart**

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**From:** [REDACTED]

**Sent:** Thursday, 20 October 2011 10:56 AM

**To:** Terry Malone

**Subject:** Re: Port Office Datum

Hi Terry, As I stated in the previous email (see below) the Brisbane Port office gauge is on Low Water Datum. It is the only gauge in QLD that is on LWD. The tide board their is also on LWD. We have left it on this datum as prior to 1994 and up to just recently BoM used this gauge for monitoring levels for flood forecasting and we wanted to keep the reference point consistent.

Sorry but I havent had time to look at this in detail as we have had a major maritime safety issue to deal with. I have had a quick look at the water level checks that we have from just before and after the flood and it looks like the gauge was recording lower than the board. DERM also did a pressure test on monday and found it be recording correctly.

Kind regards,

**Daryl Metters**

Manager (Tidal Services) | Maritime Services

Maritime Safety Queensland | Department of Transport and Main Roads

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Floor 21 | Mineral House | 41 George Street | Brisbane Qld 4000  
GPO Box 2595 | Brisbane Qld 4001

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Hi Terry BoM may be using the 1.24m from LAT to AHD instead of 1.15m from LWD to AHD. The gauge is on LWD not LAT

Kind regards,

**Daryl Metters**

Manager (Tidal Services) | Maritime Services

Maritime Safety Queensland | Department of Transport and Main Roads

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24/10/2011

Kind regards,

**Daryl Metters**  
Manager (Tidal Services) | Maritime Services  
Maritime Safety Queensland | Department of Transport and Main Roads

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\* Terry Malone ---18/10/2011 09:13:27 AM---Daryl The MSQ Tide Tables (p 109 of 2010 ed) state that the low water datum (LWD) was the datum for

Date: 18/10/2011 09:13 AM  
Subject: Port Office Datum

Daryl

The MSQ Tide Tables (p 109 of 2010 ed) state that the low water datum (LWD) was the datum for port and chart datum in Queensland waters but it was superseded by LAT datum in 1994.

Can you please confirm the datum of the Port Office?

Thanks

**Terry Malone**  
Principal Hydrologist  
Queensland Bulk Water Supply Authority *trading as Seqwater*



Level 4, 240 Margaret St, Brisbane City QLD 4000 Australia  
PO Box 16146, City East QLD 4002

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