

**In the matter of the *Commissions of Inquiry Act 1950*  
*Commissions of Inquiry Order (No.1) 2011*  
Queensland Floods Commission of Inquiry**

**Second Witness Statement of Peter Baddiley  
Annexure “PB2-9”**



## Bureau of Meteorology, Queensland METRICS FOR FLOOD WARNING CENTRE

December 2010 – January 2011

Item	Activity	1 day Monday 10 Jan 2011	3 weeks 25 Dec 2010 to 14 Jan 2011	2 months 1 Dec 2010 to 31 Jan 2011	Past 10 year average
1	Pieces of rainfall information stored in time-series database	71,800	1,137,000	2,881,000	
2	Pieces of water level information stored in time-series database	67,700	1,144,000	2,832,000	
3	Above threshold River Height Bulletins issued	96	1891	4897	
4	Rainfall Bulletins to www.bom.gov.au	864	8,144	53,568	
5	River Height Bulletins to www.bom.gov.au	576	12,096	35,712	
6	Flood Warnings issued	32	486	889	347 per year
7	Flood Warnings for major flooding	28	>373	>500	133 per year
8	River height predictions (within warnings)	54	>846	>1173	142 per year
9	Locations for which predictions made	19	94	135	30 per year
10	Peak flood heights recorded		753	1326	
11	Peak flood heights, highest on record		145	152	

Notes for each item:

1. Includes each piece of rainfall data from manual and automatic stations stored in operational time-series database. Communicated via telephone, internet, VHF radio, computer-computer links. Includes information from replicated data channels implemented for data security/redundancy.
2. Includes each piece of water level data from manual and automatic stations stored in operational time series database. Communicated via telephone, internet, VHF radio, computer-computer links. Includes information from replicated data channels implemented for data security/redundancy.
3. Each River Height Bulletin contains latest water level data for river stations which are currently above a pre-defined threshold water level. Also contains information regarding heights above/below road crossings, bridges, spillways etc. Each River height Bulletin is automatically faxed, emailed or computer

4. Rainfall Bulletins containing lists of all Queensland rainfall stations with the available “since 9am”, one hourly, 3 hourly and 24 hourly rainfall totals. Automatically updated each hour on the Bureau’s website.
5. River Height Bulletins contain latest water level data (and past few days data and plots) for river stations, updated half hourly on the Bureau website. Also contains information regarding heights above/below road crossings, bridges, spillways etc. Latest water level data is also updated every 15 minutes on ‘clickable’ maps on Bureau website.
6. Total number of Flood Warnings prepared and issued by Hydrologists in the Flood Warning Centre. Each Flood Warning is faxed, emailed or computer linked to multiple recipients (emergency service agencies, government, media etc) and displayed on Bureau website.
7. Total number of Flood Warnings involving major flooding.
8. Total number of river height predictions provided in Flood Warnings. Does not include additional predictions provided during briefings and upon request.
9. Total number of locations for which river height predictions have been given in Flood Warnings. Does not include numerous predictions for additional locations provided during briefings and upon request.
10. Total number of flood peaks recorded at flood warning stations and entered (by hydrologic technicians) into Peak Heights database. Includes information from replicated flood warning stations implemented for data security/redundancy.
11. Total number of flood peaks recorded at flood warning stations which are the highest on record. Includes information from replicated flood warning stations implemented for data security/redundancy.

Metrics for Items 7, 8 and 9 are yet to be updated and may change (increase).  
Database input is not yet complete