

## Paul Lack

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**From:** Paul Lack  
**Sent:** Friday, 3 February 2012 7:10 PM  
**To:** Susan Hedge  
**Cc:** Kyla Hayden; Caroline Helman  
**Subject:** RE: Full time series sets

Dear Susan,

Thank you for arranging for that material to be provided to me today.

Could you please arrange for that material, Exhibit 524 - Attachment 34, to be available for placing on screen by the Associate when Mr Ruffini gives his evidence. Mr MacSporran SC may take Mr Ruffini to some of that material.

Thank you

Paul Lack  
Assistant Crown Solicitor  
Qld Floods Commission of Inquiry - State Representation Crown Law Department of  
Justice and Attorney-General  
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Solutions for Government

-----Original Message-----

From: Susan Hedge  
Sent: Friday, 3 February 2012 10:17 AM  
To: Kyla Hayden  
Cc: Paul Lack; Admin Flood Commission  
Subject: Full time series sets

Kyla,

Paul Lack has asked me for a full set of the time series data from the flood operations centre (part of Exhibit 524).

Could you provide Crown Law that part of exhibit 524 on disc/DVD?

I have cc'd Paul in.

Thanks,

Susan Hedge

60 minutes	Somerset										Wivenhoe										1564	1641	Inflows				Outflows			
	Cal Lake Level	Rec Gauge Board	No of Regulators Open	No of Sluices Open	No of Gates Open	Total Somerset Discharge	1	2	3	4	5	Total Wivenhoe Discharge	Cal Lake Level	Rec Gauge Board	Regulator + Hydro	1	2	3	4	5			No of Increments	Moghill Flow	Lowod Flow	Stanley R	Upper Brisbane R	Upper Brisbane + Somerset Outflow	Total	Somerset
Date/Time	m AHD				m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s	m AHD	m AHD	m3/s	m3/s	m3/s	m3/s	m3/s	m3/s		m3/s	m3/s	ML	ML	ML	ML	ML	ML	ML
Thu 06/01/11 07:00	99.46	99.34	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	133	224	27,661	23,683	35,411	51,345	11,727	17,100	
Thu 06/01/11 08:00	99.47	99.45	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	135	221	28,200	24,937	36,128	52,477	11,851	17,280	
Thu 06/01/11 09:00	99.48	99.46	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	138	220	28,200	24,937	36,128	52,477	11,851	17,280	
Thu 06/01/11 10:00	99.49	99.47	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	140	220	29,211	25,667	37,766	54,878	12,089	17,640	
Thu 06/01/11 11:00	99.50	99.48	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	141	223	29,697	26,476	38,699	56,173	12,223	17,820	
Thu 06/01/11 12:00	99.51	99.49	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	142	229	30,602	27,399	39,747	58,002	12,347	18,000	
Thu 06/01/11 13:00	99.54	99.52	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	143	238	32,020	28,467	40,939	60,487	12,471	18,180	
Thu 06/01/11 14:00	99.59	99.57	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	146	252	33,371	29,633	42,229	63,005	12,596	18,360	
Thu 06/01/11 15:00	99.61	99.44	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	151	273	34,545	30,859	43,579	65,404	12,720	18,540	
Thu 06/01/11 16:00	99.63	99.45	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	159	296	35,608	32,146	44,990	67,753	12,844	18,720	
Thu 06/01/11 17:00	99.63	99.45	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	169	321	36,598	33,498	46,466	70,096	12,968	18,900	
Thu 06/01/11 18:00	99.65	99.46	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	178	345	37,589	34,931	48,024	72,470	13,083	19,080	
Thu 06/01/11 19:00	99.67	99.46	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	187	367	38,442	36,471	49,688	74,913	13,217	19,260	
Thu 06/01/11 20:00	99.70	99.49	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	197	386	39,314	38,153	51,485	77,467	13,341	19,440	
Thu 06/01/11 21:00	99.72	99.51	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	207	402	40,158	40,023	53,489	80,181	13,466	19,620	
Thu 06/01/11 22:00	99.73	99.51	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	219	417	40,976	42,127	55,717	83,104	13,590	19,800	
Fri 07/01/11 00:00	99.75	99.52	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	232	431	41,769	44,511	58,226	86,280	13,715	19,980	
Fri 07/01/11 01:00	99.76	99.55	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	247	445	42,536	47,212	61,051	89,747	13,839	20,160	
Fri 07/01/11 02:00	99.78	99.55	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	264	480	43,360	50,503	64,467	93,863	13,964	20,340	
Fri 07/01/11 03:00	99.79	99.57	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	283	529	44,171	53,950	68,038	98,121	14,088	20,520	
Fri 07/01/11 04:00	99.81	99.58	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	305	554	44,930	57,714	71,927	102,644	14,213	20,700	
Fri 07/01/11 05:00	99.82	99.60	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	328	572	45,647	61,755	76,093	107,402	14,338	20,880	
Fri 07/01/11 06:00	99.83	99.59	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	353	599	46,417	66,015	80,477	112,432	14,462	21,060	
Fri 07/01/11 07:00	99.85	99.60	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	379	627	47,187	70,424	85,011	117,611	14,587	21,240	
Fri 07/01/11 08:00	99.87	99.63	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	405	655	48,030	74,909	89,621	122,939	14,712	21,420	
Fri 07/01/11 09:00	99.89	99.65	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	430	680	49,236	79,577	94,414	128,814	14,836	21,600	
Fri 07/01/11 10:00	99.94	99.66	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	453	699	50,407	84,172	99,134	134,579	14,961	21,780	
Fri 07/01/11 11:00	99.94	99.76	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	473	714	51,616	88,678	103,764	140,294	15,086	21,960	
Fri 07/01/11 12:00	99.99	99.76	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	491	724	53,429	94,644	109,855	148,073	15,211	22,140	
Fri 07/01/11 13:00	100.04	99.82	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	505	730	55,741	100,721	116,058	156,463	15,336	22,320	
Fri 07/01/11 14:00	100.09	99.90	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	517	733	58,242	106,160	121,622	164,403	15,461	22,500	
Fri 07/01/11 15:00	100.13	99.94	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	530	737	60,578	111,116	126,702	171,694	15,586	22,680	
Fri 07/01/11 16:00	100.17	99.94	0.5	0.0	8	0	35	0.0	0.0	0.0	0.0	0.0	0	0	50	0	0	0	0	0	0	557	755	62,740	115,821	131,533	178,561	15,712	22,912	
Fri 07/01/11 17:00	100.21	100.04	1.0	0.0	8	0	70	0.0	0.0	0.0	0.0	0.0	1	13	0	0	51	0	0	0	0	579	765	64,786	120,304	136,141	185,090	15,837	23,331	
Fri 07/01/11 18:00	100.25	100.11	1.0	0.0	8	0	70	0.0	0.0	0.0	0.0	0.0	2	13	0	0	103	0	0	0	0	618	782	66,749	124,589	140,677	191,338	16,088	23,934	
Fri 07/01/11 19:00	100.28	100.15	1.0	0.0	8	0	70	0.0	0.0	0.0	0.0	0.0	4	13	0	0	205	0	0	0	0	648	809	68,644	128,703	145,043	197,347	16,339	24,720	
Fri 07/01/11 20:00	100.30	100.17	1.0	0.0	8	0	206	0.0	0.0	0.0	0.0	0.0	6	13	0	0	304	0	0	0	0	678	862	70,432	132,678	149,755	203,150	17,077	25,685	
Fri 07/01/11 21:00	100.33	100.21	1.0	0.0	8	0	206	0.0	0.0	0.0	0.0	0.0	8	13	0	0	351	0	0	0	0	699	891	72,233	136,543	154,359	208,176	17,816	26,826	
Fri 07/01/11 22:00	100.36	100.25	1.0	0.0	8	0	206	0.0	0.0	0.0	0.0	0.0	7	13	0	0	352	0	0	0	0	702	905	73,924	140,325	158,880	214,249	18,554	28,138	
Fri 07/01/11 23:00	100.38	100.31	1.0	0.0	8	0	206	0.0	0.0	0.0	0.0	0.0	9	13	0	0	352	52	0	0	0	702	905	75,540	144,046	163,339	219,586	19,293	29,639</	

60 minutes	Somerset										Wivenhoe										Inflows				Outflows							
	Date/Time	Cal Lake Level Board	Rec Gauge Board	No of Regulators Open	No of Sluices Open	No of Gates Open	Total Somerset Discharge	1	2	3	4	5	No of Increments	Regulator + Hydro	1	2	3	4	5	Total Wivenhoe Discharge	Cal Lake Level	Rep Gauge Boards	Lowood Flow	Moggill Flow	1564	1641	Stanley R	Upper Brisbane R	Upper Brisbane + Somerset	Total	Somerset	Wivenhoe
		m AHD				m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s		m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m <sup>3</sup> /s	m AHD	m AHD	m <sup>3</sup> /s	m <sup>3</sup> /s			ML	ML	ML	ML	ML	ML	ML
Sat 08/01/11 06:00	100.44	100.43	0.0	1.0	0.0	207	1.0	1.5	3.5	1.5	0.5	16	13	105	157	355	157	52	838	68.451	68.46	1249	1355	1564	1641	85.809	172.733	197.945	268.542	25.211	48.470	
Sat 08/01/11 07:00	100.45	100.44	0.0	1.0	0.0	207	1.0	1.5	3.5	1.5	1.0	17	13	105	157	355	157	105	891	68.462	68.48	1289	1391			86.793	176.224	202.175	263.016	25.952	51.678	
Sat 08/01/11 08:00	100.45		0.0	1.0	0.0	207	1.0	1.5	4.0	1.5	1.0	18	13	105	157	401	157	105	938	68.471		1324	1422			87.721	179.678	206.371	267.399	26.692	55.054	
Sat 08/01/11 09:00	100.45		0.0	2.0	0.0	413	1.0	2.0	4.0	1.5	1.0	19	13	105	208	401	157	105	989	68.478		1363	1457			88.597	183.086	211.259	271.682	28.173	58.616	
Sat 08/01/11 10:00	100.44		0.0	2.0	0.0	413	1.0	2.0	4.0	2.0	1.0	20	13	105	208	402	208	105	1041	68.489		1403	1493			89.424	186.432	216.086	275.856	29.653	62.364	
Sat 08/01/11 11:00	100.43		0.0	2.0	0.0	413	1.5	2.0	4.0	2.0	1.0	21	13	157	208	402	208	105	1094	68.498		1444	1530			90.205	189.706	220.839	279.910	31.133	66.300	
Sat 08/01/11 12:00	100.41		0.0	2.0	0.0	413	1.5	2.0	4.0	2.0	1.5	22	13	157	208	402	208	157	1146	68.505		1485	1568			90.943	192.893	225.507	283.837	32.613	70.426	
Sat 08/01/11 13:00	100.40		0.0	2.0	0.0	413	1.5	2.5	4.0	2.0	1.5	23	13	157	259	402	208	157	1196	68.509		1524	1604			91.642	195.992	230.085	287.634	34.092	74.733	
Sat 08/01/11 14:00	100.38		0.0	2.0	0.0	413	1.5	2.5	4.0	2.5	1.5	24	13	157	259	402	259	157	1247	68.511		1564	1641			92.303	198.989	234.560	291.292	35.571	79.221	
Sat 08/01/11 15:00	100.36		0.0	2.0	0.0	413	1.5	2.5	4.0	2.5	1.5	24	13	157	259	402	259	157	1247	68.510		1553	1628			92.929	201.878	238.928	294.807	37.049	83.709	
Sat 08/01/11 16:00	100.34		0.0	2.0	0.0	412	1.5	2.5	4.0	2.5	1.5	24	13	157	259	402	259	157	1247	68.509		1544	1615			93.522	204.655	243.183	298.177	38.527	88.197	
Sat 08/01/11 17:00	100.32		0.0	2.0	0.0	412	1.5	2.5	4.0	2.5	1.5	24	13	157	259	402	259	157	1246	68.506		1534	1603			94.085	207.319	247.323	301.404	40.004	92.684	
Sat 08/01/11 18:00	100.30		0.0	2.0	0.0	412	1.5	2.5	4.0	2.5	1.5	24	13	157	259	402	259	157	1246	68.503		1525	1591			94.618	209.869	251.350	304.487	41.481	97.171	
Sat 08/01/11 19:00	100.28		0.0	2.0	0.0	412	1.5	2.5	4.0	2.5	1.5	24	13	157	259	402	259	157	1246	68.503		1516	1580			95.125	212.306	255.264	307.431	42.957	101.656	
Sat 08/01/11 20:00	100.26		0.0	2.0	0.0	412	1.5	2.5	4.0	2.5	1.5	24	13	157	258	402	258	157	1246	68.499		1507	1570			95.606	214.634	259.067	310.240	44.433	106.141	
Sat 08/01/11 21:00	100.24		0.0	2.0	0.0	412	1.5	2.5	4.0	2.5	1.5	24	13	157	258	402	258	157	1245	68.497		1499	1559			96.064	216.855	262.763	312.919	45.908	110.624	
Sat 08/01/11 22:00	100.22		0.0	2.0	0.0	411	1.5	2.5	4.0	2.5	1.5	24	13	157	258	402	258	157	1245	68.480		1491	1549			96.499	219.974	266.366	315.472	47.393	115.106	
Sat 08/01/11 23:00	100.20		0.0	2.0	0.0	411	1.5	2.5	4.0	2.5	1.5	24	13	157	258	401	258	157	1245	68.472		1483	1539			96.913	220.994	269.851	317.907	48.857	119.586	
Sun 09/01/11 00:00	100.17		0.0	2.0	0.0	411	1.5	2.5	4.0	2.5	1.5	24	13	157	258	401	258	157	1245	68.472		1475	1530			97.306	222.921	273.251	320.227	50.330	124.065	
Sun 09/01/11 01:00	100.15		0.0	2.0	0.0	411	1.5	2.5	4.0	2.5	1.5	24	13	157	258	401	258	157	1244	68.463		1468	1520			97.681	224.759	276.562	322.440	51.802	128.541	
Sun 09/01/11 02:00	100.13		0.0	2.0	0.0	411	1.5	2.5	4.0	2.5	1.5	24	13	157	258	401	258	157	1243	68.453		1460	1511			98.038	226.513	279.768	324.552	53.274	133.015	
Sun 09/01/11 03:00	100.10		0.0	2.0	0.0	411	1.5	2.5	4.0	2.5	1.5	24	13	157	258	401	258	157	1243	68.443		1453	1503			98.379	228.188	282.933	326.566	54.746	137.488	
Sun 09/01/11 04:00	100.08		0.0	2.0	0.0	410	1.5	2.5	4.0	2.5	1.5	24	13	157	258	400	258	157	1242	68.432		1446	1494			98.700	229.787	286.003	328.490	56.216	141.957	
Sun 09/01/11 05:00	100.05		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	257	399	257	156	1241	68.420		1439	1485			99.013	231.316	288.267	330.328	56.951	146.424	
Sun 09/01/11 06:00	100.04		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	257	399	257	156	1240	68.389		1431	1477			99.308	232.777	290.464	332.086	57.686	150.867	
Sun 09/01/11 07:00	100.04		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	257	399	257	156	1237	68.348		1424	1468			99.590	234.177	292.598	333.767	58.421	155.346	
Sun 09/01/11 08:00	100.03		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	256	398	256	156	1235	68.327		1410	1451			99.860	235.516	294.672	335.376	59.156	159.801	
Sun 09/01/11 09:00	100.01		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	256	398	256	156	1235	68.306		1403	1443			100.117	236.800	296.690	336.917	59.890	164.252	
Sun 09/01/11 10:00	100.00		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	256	398	256	156	1235	68.284		1396	1435			100.363	238.032	298.656	338.394	60.624	168.698	
Sun 09/01/11 11:00	99.99		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	156	256	397	256	155	1233	68.262		1389	1427			100.623	240.348	302.440	341.171	61.359	173.140	
Sun 09/01/11 12:00	99.98		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	155	256	397	256	155	1231	68.239		1382	1420			100.893	241.438	304.264	342.476	62.826	182.009	
Sun 09/01/11 13:00	99.97		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	155	256	397	256	155	1230	68.216		1376	1412			101.144	242.486	306.046	343.730	63.560	186.437	
Sun 09/01/11 14:00	99.96		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	155	255	396	255	155	1229	68.193		1369	1405			101.397	243.599	307.788	344.935	64.294	190.859	
Sun 09/01/11 15:00	99.95		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	155	254	395	254	155	1226	68.170		1363	1397			101.630	244.464	309.491	346.094	65.027	195.277	
Sun 09/01/11 16:00	99.94		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	154	254	394	254	154	1224	68.146		1357	1390			101.811	245.398	311.159	347.210	65.760	199.690	
Sun 09/01/11 17:00	99.92		0.0	1.0	0.0	205	1.5	2.5	4.0	2.5	1.5	24	13	154	254	394	254	154	1223	68.121		1351	1383			102.052	246.299	312.792	348.284	66.493	204.098	

60 minutes	Somerset										Wivenhoe										1564	1641	Inflows			Outflows		
	Date/Time	Cal Lake Level	Rec Gauge Boards	No of Regulators Open	No of Sluces Open	No of Gates Open	Total Somerset Discharge	m <sup>3</sup> /s	1	2	3	4	5	Total Wivenhoe Discharge	m <sup>3</sup> /s	Cal Lake Level	Reg. Gauge Boards	Lowood Flow	Moggill Flow	Stanley R			Upper Brisbane R	Upper Brisbane + Somerset Outflow	Total	Somerset	Wivenhoe	
																												m AHD
Mon 10/01/11 04:00	99.78	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	153	251	389	251	153	1208	67.865	1297	1323	103.384	253.744	327.559	357.127	73.815	247.886
Mon 10/01/11 05:00	99.77	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	152	251	389	251	152	1208	67.838	1292	1318	103.496	254.359	328.908	367.855	74.546	252.235
Mon 10/01/11 06:00	99.76	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	152	251	389	251	152	1206	67.812	1287	1313	103.603	254.955	330.231	358.558	75.277	256.578
Mon 10/01/11 07:00	99.74	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	152	250	388	250	152	1205	67.784	1283	1308	103.707	255.532	331.539	359.239	76.007	260.915
Mon 10/01/11 08:00	99.73	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	152	250	387	250	152	1203	67.757	1278	1303	103.807	256.090	332.829	359.898	76.738	265.247
Mon 10/01/11 09:00	99.71	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	152	249	387	249	152	1202	67.730	1274	1298	103.904	256.632	334.101	360.536	77.468	269.572
Mon 10/01/11 10:00	99.70	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	152	249	386	249	152	1200	67.702	1270	1293	103.997	257.157	335.356	361.154	78.199	273.892
Mon 10/01/11 11:00	99.69	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	151	249	386	249	151	1198	67.675	1266	1289	104.087	257.667	336.596	361.753	78.929	278.206
Mon 10/01/11 12:00	99.67	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	151	248	385	248	151	1197	67.647	1262	1284	104.173	258.161	337.819	362.334	79.658	282.514
Mon 10/01/11 13:00	99.66	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	151	248	384	248	151	1195	67.619	1258	1280	104.257	258.640	339.028	362.897	80.388	286.816
Mon 10/01/11 14:00	99.64	0.0	1.0	8	0	204	1.5	2.5	4.0	2.5	1.5	24	13	151	248	384	248	151	1193	67.591	1254	1276	104.337	259.106	340.223	363.443	81.117	291.112
Mon 10/01/11 15:00	99.63	0.0	1.0	8	0	203	1.5	2.5	4.0	2.5	1.5	24	13	150	247	383	247	151	1192	67.564	1250	1272	104.415	259.534	341.681	364.249	81.846	295.402
Mon 10/01/11 16:00	99.61	0.0	1.0	8	0	203	1.5	2.5	4.0	2.5	1.5	24	13	150	247	382	247	150	1190	67.538	1247	1268	104.490	260.549	343.124	365.039	82.575	299.687
Mon 10/01/11 17:00	99.60	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	150	247	382	247	150	1189	67.512	1243	1264	104.563	261.074	344.074	365.813	83.321	303.966
Mon 10/01/11 18:00	99.59	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	150	246	382	246	150	1187	67.482	1239	1260	104.633	261.939	345.011	366.572	83.072	308.239
Mon 10/01/11 19:00	99.59	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	150	246	381	246	150	1185	67.451	1236	1256	104.701	262.810	346.936	367.316	83.321	312.505
Mon 10/01/11 20:00	99.59	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	149	245	380	245	149	1183	67.420	1232	1252	104.766	263.220	348.849	368.046	83.569	316.764
Mon 10/01/11 21:00	99.58	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	149	245	380	245	149	1181	67.390	1229	1248	104.830	263.933	347.751	368.763	83.817	321.017
Mon 10/01/11 22:00	99.58	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	149	244	378	244	149	1178	67.328	1225	1244	104.891	264.576	348.641	369.467	84.066	325.263
Mon 10/01/11 23:00	99.57	1.0	0.0	8	0	69	1.5	2.5	4.0	2.5	1.5	24	13	149	244	378	244	149	1176	67.297	1222	1241	104.950	265.208	349.522	370.158	84.314	329.503
Tue 11/01/11 00:00	99.56	1.0	0.0	8	0	69	1.5	2.5	4.0	2.0	1.5	23	13	148	244	377	197	148	1172	67.266	1168	1186	105.063	266.441	351.261	371.504	84.562	333.736
Tue 11/01/11 01:00	99.56	1.0	0.0	8	0	69	1.5	2.5	4.0	2.0	1.5	23	13	148	244	377	196	148	1170	67.236	1165	1183	105.117	267.043	352.102	372.160	85.059	341.843
Tue 11/01/11 02:00	99.56	1.0	0.0	8	0	69	1.5	2.5	4.0	2.0	1.5	22	13	148	196	376	196	148	1077	67.206	1115	1133	105.169	267.636	352.943	372.805	85.307	345.719
Tue 11/01/11 03:00	99.56	1.0	0.0	8	0	69	1.5	2.5	4.0	2.0	1.5	21	13	148	196	375	196	148	1026	67.178	1064	1081	105.220	268.220	353.775	373.440	85.555	349.413
Tue 11/01/11 04:00	99.55	1.0	0.0	8	0	69	1.5	2.0	4.0	2.0	1.0	20	13	99	195	375	195	99	976	67.152	1012	1029	105.269	268.795	354.599	374.064	85.803	352.927
Tue 11/01/11 05:00	99.55	1.0	0.0	8	0	69	1.0	2.0	4.0	1.5	1.0	19	13	99	195	374	147	99	927	67.126	962	979	105.316	269.362	355.414	374.679	86.052	356.264
Tue 11/01/11 06:00	99.54	1.0	0.0	8	0	69	1.0	2.0	4.0	1.5	1.0	18	13	98	147	373	147	99	877	67.079	910	926	105.406	270.473	357.021	375.879	86.548	359.596
Tue 11/01/11 07:00	99.53	1.0	0.0	8	0	69	1.0	1.5	4.0	1.5	1.0	17	13	98	147	373	147	49	827	67.057	859	875	105.450	271.017	357.813	376.466	86.796	365.730
Tue 11/01/11 08:00	99.53	1.0	0.0	8	0	69	0.5	1.5	4.0	1.0	0.5	16	13	49	147	372	147	49	777	67.037	808	824	105.491	271.553	358.597	377.044	87.044	368.527
Tue 11/01/11 09:00	99.52	1.0	0.0	8	0	69	0.5	1.5	4.0	1.0	0.5	15	13	49	147	372	98	49	728	67.018	758	773	105.532	272.082	359.374	377.614	87.292	371.147
Tue 11/01/11 10:00	99.51	1.0	0.0	8	0	69	0.5	1.5	4.0	1.0	0.5	14	13	49	98	371	98	0	678	67.000	756	772	105.571	272.605	360.145	378.176	87.540	373.765
Tue 11/01/11 11:00	99.50	1.0	0.0	8	0	69	0.5	1.0	4.0	1.0	0.5	13	13	0	98	371	98	0	629	66.983	706	721	105.609	273.121	360.909	378.730	87.788	376.205
Tue 11/01/11 12:00	99.50	1.0	0.0	8	0	69	0.5	1.0	4.0	1.0	0.0	12	13	0	98	370	49	0	530	66.940	656	671	105.646	273.630	361.667	379.277	88.036	378.468
Tue 11/01/11 13:00	99.50	1.0	0.0	8	0	69	0.0	1.0	4.0	1.0	0.0	11	13	0	98	370	49	0	480	66.929	606	620	105.682	274.134	362.418	379.816	88.284	380.553
Tue 11/01/11 14:00	99.50	1.0	0.0	8	0	69	0.0	1.0	4.0	0.5	0.0	10	13	0	98	370	49	0	438	66.909	555	570	105.717	274.631	363.163	380.348	88.532	382.461
Tue 11/01/11 15:00	99.49	1.0	0.0	8	0	69	0.0	0.5	4.0	0.5	0.0	9	13	0	49	370	49	0	389	66.892	505	519	105.751	275.123	363.903	380.874	88.780	384.367
Tue 11/01/11 16:00	99.49	1.0	0.0	8	0	69	0.0	0.5	3.5	0.5	0.0	8	13	0	49	327	49	0	340	66.874	462	476	105.784	275.609	364.637	381.392	89.028	386.097
Tue 11/01/11 17:00	99.48	1.0	0.0	8	0	69	0.0	0.5	3.5	0.0	0.0	7	13	0	49	327	0	0	296	66.854	412	426	105.816	276.089	365.365	381.905	89.276	387.674
Tue 11/01/11 18:00	99.48	1.0	0.0	8	0	69	0.0	0.0	3.5	0.0	0.0	6	13	0	0	327	0	0	252	66.830	363	376	105.877	277.034	366.086	382.911	89.524	389.074
Tue 11/01/11 19:00	99.47	1.0	0.0	8	0	69	0.0	0.0	3.5	0.0	0.0	5	13	0	0	283	0	0	206	66.800	318	331	105.906	277.499	367.519	383.406	89.772	390.299
Tue 11/01/11 20:00	99.46	1.0	0.0	8	0	69	0.0	0.0	3.0	0.0	0.0	4	13	0	0	239	0	0	158	66.885	272	285	105.935	277.960	368.227	383.895	90.020	391.523
Tue 11/01/11 21:00	99.46	1.0	0.0	8	0	69	0.0	0.0	2.5	0.0	0.0	3	13	0	0	200	0	0	108	66.881	252	265	105.962	278.410	368.925	384.372	90.267	392.590
Tue 11/01/11 22:00	99.46	1.0	0.0	8	0	69	0.0	0.0	2.5	0.0	0.0	2	13	0	0	153	0	0	60	66.881	252	265	105.962	278.410	368.925	384.372	90.515	393.496

Ref CTS 034441/11

Department of  
Environment and Resource  
Management

2 March 2011

The Honourable Justice Catherine Holmes  
Commissioner  
Queensland Floods  
Commission of Inquiry  
PO Box 1738  
BRISBANE QLD 4001

Dear Honourable Justice Holmes

I have received today the January 2011 Flood Event Report titled "Report of the operation of Somerset Dam and Wivenhoe Dam" (the Report) from Seqwater and attach a copy for you. The Report is required to be prepared by Seqwater under the provisions of the *Manual of Operational Procedures for Flood Mitigation at Wivenhoe Dam and Somerset Dam* (Manual).

This Manual was approved under the provisions of the *Water Supply (Safety and Reliability) Act 2008*. It addresses how the dams should be operated, for flood mitigation purposes, during flood events.

In brief, the Report assesses compliance with the Manual and whether changes should be made to it.

Normally, the Department of Environment and Resource Management would proceed to assess the Report and consider necessary actions, such as initiating changes to the Manual.

However, as you are aware the Queensland Flood Commission of Inquiry's terms of reference require it to consider (in part):

*"f) implementation of the systems operation plans for dams across the state and in particular the Wivenhoe and Somerset release strategy and an assessment of compliance with, and the suitability of the operational procedures relating to flood mitigation and dam safety,"*

I am advised Seqwater's Report is to be an attachment to its submission to the Commission of Inquiry which is due on 11 March 2011.

Given the above element of the terms of reference, I propose that the Department of Environment and Resource Management does not currently proceed with the Report's review, noting that the Commission of Inquiry has scheduled its Interim Report to be

produced by 1 August 2011 to address relevant recommendations prior to the next wet season.

I propose that the department undertake its review after the Commission's Interim Report is published.

This approach would:

- be consistent, with the Queensland Government's desire for the Commission to have a full opportunity to review the matters covered in the Report, and
- enable the Department of Environment and Resource Management to take into account any matters that the Commission may wish to raise with respect to the Report.

I would appreciate your confirmation that the suggested approach is acceptable to you.

While providing this Report to the Commission of Inquiry, it has not been released publicly by either Seqwater or the Department of Environment and Resource Management. I am concerned to ensure that your Commission has opportunity to directly consider the Report and its public release, as with other submissions it receives.

Unless you indicate an alternative preference, Seqwater and DERM do not intend to proactively release the report, in order to permit the Commission to consider its preferred approach to its release as part of Seqwater's forthcoming submission.

Please let me know if you have any concerns or preference in this regard.

I am happy to discuss this matter with you. My telephone number is 3330 6298.

Yours sincerely



John Bradley  
**Director-General**

Enc