

Table Addendum

Note 1: Unless otherwise stated, all modelled AEP flood levels provided in Addendum Tables 1 to 10 are derived from the Detailed Model

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Addendum Table 2 Peak Level Change from Fast Model

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Addendum Table 4 Climate Change Sensitivity Scenario 1 (CC1) Peak Levels and **Flows**

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Addendum Table 1 - Base Case (B15) Peak Levels and Flows

		Peak Flood Level (mAHD)											Peak Flood Flow (m ³ /s)										
		AEP (1 in)											AEP (1 in)										
ID	Reporting Location	2	5	10	20	50	100	200	500	2000	10000	100000	2*	5	10	20	50	100	200	500	2000	10000	100000
RL_01	Lockyer Creek at Tarampa	45.34	56.81	59.89	60.77	60.95	60.98	61.03	61.11	61.27	61.50	63.18	0	566	1072	1936	3382	4269	5750	8090	11194	15021	34731
RL_02	Wivenhoe Dam Tailwater	23.31	33.00	36.06	38.88	44.17	48.40	49.75	50.69	52.17	55.29	63.28	0	706	940	1555	3757	6922	10156	12394	16336	21779	44226
RL_03	Lockyer Creek at Lyons Bridge	47.62	60.06	62.97	63.89	64.24	64.31	64.41	64.53	64.75	65.07	66.39	0	568	1014	1874	3260	4174	5647	7989	11098	14928	34616
RL_04	Brisbane River at Lowood Pump Station	20.76	31.03	33.66	36.27	40.94	45.32	47.27	48.56	50.98	54.54	63.01	0	1040	1844	2781	5457	9759	13037	15785	20368	29326	52603
RL_05	Brisbane River at Savages Crossing	20.80	26.93	29.41	32.07	37.02	41.67	44.49	46.70	49.72	53.44	61.91	59	1075	1881	2844	5449	9284	12117	14651	19541	27706	51839
RL_06	Brisbane River Upstream Mt Crosby Weir	7.43	10.59	13.10	15.65	20.29	25.12	28.03	30.92	34.33	37.93	45.74	53	1074	1915	3009	5334	8654	11154	13511	18805	26840	50691
RL_07	Brisbane River downstream Mt Crosby Weir	4.29	9.12	11.81	14.90	19.77	24.77	27.63	30.54	33.85	37.44	45.26	52	1071	1908	3013	5349	8672	11170	13546	18781	26810	50648
RL_08	Brisbane River at Moggill	1.73	4.12	6.89	9.92	14.31	18.17	20.30	22.60	25.43	28.77	35.99	-422	1846	2964	4340	6862	9949	11887	14738	19494	28436	57166
RL_09	Brisbane River at Jindalee	1.60	2.19	3.41	5.68	9.16	12.33	14.16	16.10	19.08	22.97	31.06	-894	1933	2995	4482	6770	9476	11312	13845	18094	27234	56625
RL_10	Brisbane River at Tennyson	1.59	1.86	2.42	3.84	6.40	9.36	11.04	13.06	15.80	20.33	28.84	-1230	2122	3133	4739	6839	9198	10976	13286	17252	25824	56108
RL_11	Brisbane River at Fairfield	1.59	1.82	2.26	3.48	5.63	8.19	9.83	11.78	14.62	19.47	28.34	-1350	2171	3150	4748	6842	9191	10934	13210	17220	25785	56095
RL_12	Brisbane River at Toowong	1.58	1.76	2.08	3.12	4.68	6.74	8.29	10.09	12.88	17.55	26.14	-1472	2233	3172	4765	6839	9149	10929	13192	17204	25743	56075
RL_13	Port Office Gauge	1.59	1.69	1.85	2.29	3.26	4.59	5.83	7.41	9.97	14.85	24.00	-1637	2319	3221	4783	6865	9176	10977	13212	17186	25695	55982
RL_14	Brisbane City Gauge	1.59	1.69	1.84	2.23	3.17	4.52	5.75	7.30	9.89	14.69	23.70	-1645	2325	3225	4785	6867	9179	10987	13217	17192	25702	55991
RL_15	Brisbane River at Hawthorne	1.60	1.64	1.69	1.89	2.28	2.84	3.36	4.30	6.04	9.03	16.19	-1869	2453	3419	4909	6937	9252	11074	13274	17166	25712	56000
RL_16	Brisbane River at Gateway Bridge	1.59	1.63	1.68	1.75	1.83	1.89	2.32	2.67	2.99	4.74	8.17	-2310	2835	4050	5230	7139	9390	11278	13391	17168	25843	55981
RL_17	Warrill Creek at Amberley	20.78	26.15	27.28	27.46	28.17	28.31	28.59	28.76	29.82	31.68	36.67	18	599	981	1105	1986	2166	2465	2950	3810	4610	7043
RL_18	Purga Creek at Loamside	22.26	27.09	27.61	27.77	27.91	28.65	28.76	28.90	29.86	31.71	36.67	7	300	470	544	633	1076	1176	1254	1043	1781	2137
RL_19	Bremer River at Walloon	20.26	25.29	26.34	27.22	27.76	28.25	28.51	29.15	29.88	31.91	36.67	45	727	1125	1734	2353	3064	3612	4272	4321	7256	9188
RL_20	Bremer River at Three Mile Bridge	12.53	20.18	22.27	23.46	25.46	26.33	27.49	28.27	29.65	31.65	36.65	44	698	1024	1368	1865	2537	2891	3565	3495	6576	7864
RL_21	Bremer River at One Mille Bridge	6.63	16.87	19.38	20.65	23.34	24.51	26.38	27.29	28.97	31.16	36.56	43	1318	1929	2351	3264	4010	4921	5774	7050	9421	13986
RL_22	Bremer River at David Trumpy Bridge	1.89	11.77	14.76	16.09	18.67	20.13	21.84	23.42	25.74	28.97	36.12	48	1274	1887	2271	3224	3802	4818	5613	6933	9302	13467
RL_23	Bremer River at Hancock Bridge	1.97	13.76	16.62	18.02	20.84	22.11	23.96	24.86	26.61	29.14	36.18	45	1302	1910	2323	3242	3873	4889	5692	7034	9368	13808
RL_24	Bremer River at Bundamba Confluence	1.78	8.24	11.67	13.18	16.16	18.77	20.82	23.02	25.66	28.95	36.10	-102	1255	1906	2227	3203	3628	4549	5449	6437	9151	11647
RL_25	Bremer River at Warrego Highway	1.76	6.97	10.16	12.06	15.75	18.72	20.79	23.02	25.66	28.95	36.10	-141	1253	2035	2214	3176	3402	4274	5275	6172	9117	10471
RL_26	Bundamba Creek at Hanlon St Alert	1.79	8.23	11.67	13.18	16.14	18.76	20.82	23.02	25.66	28.95	36.10	-99	1247	1890	2212	3190	3619	4548	5435	6432	9141	11652
RL_27	Woogaroo Creek at Brisbane Road Alert	2.79	3.16	5.46	8.40	12.58	16.50	18.72	20.99	23.82	27.63	35.24	-575	1852	2940	4317	6814	9805	11662	14367	18945	27856	56932
RL_28	Oxley Creek at Rocklea	1.61	2.54	4.15	5.49	7.05	9.65	11.28	13.13	15.81	20.33	28.84	92	233	412	604	654	779	-799	1016	-1685	-3354	-7326

*Negative flows shown for the 1 in 2 AEP event are peak tidal flows and not flood flows

Addendum Table 2 - Peak Level Difference from Fast Model												
		Difference in Peak Flood Level (m)										
		AEP (1 in)										
ID	Reporting Location	2	5	10	20	50	100	200	500	2000	10000	100000
RL_01	Lockyer Creek at Tarampa	0.00	-0.19	0.36	0.12	-0.11	-0.24	-0.43	-0.58	-0.47	-0.41	0.91
RL_02	Wivenhoe Dam Tailwater	-0.46	0.73	0.76	0.63	1.04	1.11	0.80	0.87	1.37	1.31	1.10
RL_03	Lockyer Creek at Lyons Bridge	0.00	-0.15	0.29	-0.25	-0.80	-0.97	-1.17	-1.44	-1.57	-1.58	-0.86
RL_04	Brisbane River at Lowood Pump Station	-1.05	0.62	0.44	0.27	0.47	-0.01	-0.24	0.23	0.89	1.04	1.11
RL_05	Brisbane River at Savages Crossing	0.05	0.51	0.22	0.14	0.49	0.21	0.20	0.23	0.45	0.62	0.63
RL_06	Brisbane River Upstream Mt Crosby Weir	-0.03	0.14	0.65	0.22	0.07	-0.31	-0.58	-0.66	-0.86	-0.69	0.54
RL_07	Brisbane River downstream Mt Crosby Weir	0.05	0.08	0.01	-0.10	-0.06	-0.20	-0.44	-0.47	-0.82	-0.72	0.42
RL_08	Brisbane River at Moggill	-0.15	-0.33	-0.01	-0.17	-0.07	0.18	0.09	-0.14	-0.22	-0.09	0.20
RL_09	Brisbane River at Jindalee	-0.05	-0.15	-0.41	-0.42	-0.23	0.14	0.24	0.32	0.46	0.66	2.35
RL_10	Brisbane River at Tennyson	0.01	-0.13	-0.37	-0.62	-0.62	0.07	0.20	0.44	0.44	0.47	1.65
RL_11	Brisbane River at Fairfield	0.01	-0.10	-0.28	-0.50	-0.56	-0.01	0.16	0.34	0.46	0.57	1.93
RL_12	Brisbane River at Toowong	-0.01	-0.08	-0.18	-0.21	-0.41	0.00	0.20	0.26	0.27	0.10	1.86
RL_13	Port Office Gauge	-0.03	-0.03	-0.04	-0.11	-0.21	0.09	0.29	0.58	1.03	2.03	3.35
RL_14	Brisbane City Gauge	-0.03	-0.03	-0.05	-0.17	-0.30	0.02	0.21	0.47	0.95	1.87	3.05
RL_15	Brisbane River at Hawthorne	-0.02	-0.02	-0.02	-0.07	-0.12	-0.11	-0.08	0.04	0.40	0.69	2.11
RL_16	Brisbane River at Gateway Bridge	-0.01	-0.01	-0.01	-0.01	-0.03	-0.18	-0.14	-0.17	-0.31	-0.11	0.46
RL_17	Warrill Creek at Amberley	-0.01	-0.06	-0.18	-0.22	-0.16	-0.15	-0.06	-0.08	-0.12	-0.37	-0.13
RL_18	Purga Creek at Loamside	0.00	0.05	0.08	0.09	0.06	0.15	0.15	0.19	-0.03	-0.35	-0.14
RL_19	Bremer River at Walloon	0.00	0.11	0.09	0.15	0.02	-0.17	-0.30	-0.16	-0.13	-0.40	-0.14
RL_20	Bremer River at Three Mile Bridge	0.00	0.37	0.23	0.26	0.44	0.25	0.20	0.19	-0.12	-0.38	-0.14
RL_21	Bremer River at One Mille Bridge	-0.39	-0.12	-0.35	-0.55	-0.37	-0.49	-0.18	-0.15	-0.40	-0.60	-0.18
RL_22	Bremer River at David Trumpy Bridge	-0.07	1.64	1.44	0.79	0.49	0.04	0.09	-0.09	-0.38	-0.15	0.17
RL_23	Bremer River at Hancock Bridge	-0.04	1.86	1.20	0.78	0.55	0.07	0.14	-0.06	0.00	-0.14	0.07
RL_24	Bremer River at Bundamba Confluence	-0.12	0.98	1.53	0.45	0.19	0.02	-0.14	-0.36	-0.43	-0.16	0.17
RL_25	Bremer River at Warrego Highway	-0.12	0.92	1.65	0.40	0.22	0.03	-0.14	-0.36	-0.43	-0.16	0.17
RL_26	Bundamba Creek at Hanlon St Alert	0.70	2.80	1.53	0.46	0.18	0.01	-0.14	-0.36	-0.43	-0.16	0.17
RL_27	Woogaroo Creek at Brisbane Road Alert	0.99	-0.32	-0.14	-0.02	0.03	0.54	0.65	0.56	0.43	0.08	0.01
RL_28	Oxley Creek at Rocklea	0.00	0.10	0.58	0.69	-0.13	0.22	0.29	0.37	0.34	0.40	1.59

Addendum Table 3 - Future Floodplain Condition Scenario 1 (FF1^) Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	100	dh	200	dh	500	dh	10,000	dh	100	dQ (%)	200	dQ (%)	500	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	60.98	0.00	61.03	0.00	61.11	0.00	61.50	0.00	4270	<0.1	5751	<0.1	8091	<0.1	15021	<0.1
RL_02	Wivenhoe Dam Tailwater	48.40	0.00	49.75	0.00	50.69	0.00	55.37	0.08	6922	<0.1	10156	<0.1	12394	<0.1	21775	<0.1
RL_03	Lockyer Creek at Lyons Bridge	64.31	0.00	64.40	-0.01	64.53	0.00	65.07	0.00	4174	<0.1	5647	<0.1	7990	<0.1	14929	<0.1
RL_04	Brisbane River at Lowood Pump Station	45.32	0.00	47.27	0.00	48.55	-0.01	54.68	0.14	9758	<0.1	13037	<0.1	15787	<0.1	29333	<0.1
RL_05	Brisbane River at Savages Crossing	41.67	0.00	44.48	-0.01	46.69	-0.01	53.68	0.24	9285	<0.1	12120	<0.1	14661	<0.1	27200	-2
RL_06	Brisbane River Upstream Mt Crosby Weir	25.08	-0.03	27.95	-0.08	30.63	-0.28	40.76	2.84	8647	<0.1	11287	1	13675	1	25027	-7
RL_07	Brisbane River downstream Mt Crosby Weir	24.74	-0.04	27.56	-0.07	30.23	-0.31	40.29	2.85	8666	<0.1	11312	1	13698	1	24994	-7
RL_08	Brisbane River at Moggill	18.11	-0.06	20.27	-0.03	22.81	0.20	31.60	2.83	9957	<0.1	12033	1	14914	1	25546	-10
RL_09	Brisbane River at Jindalee	12.20	-0.13	14.09	-0.07	16.20	0.10	24.04	1.08	9531	1	11592	3	14177	2	24407	-10
RL_10	Brisbane River at Tennyson	9.23	-0.12	11.01	-0.02	13.11	0.05	20.63	0.30	9257	1	11278	3	13721	3	24102	-7
RL_11	Brisbane River at Fairfield	8.05	-0.14	9.75	-0.08	11.79	0.01	18.95	-0.51	9241	1	11258	3	13680	4	24065	-7
RL_12	Brisbane River at Toowong	6.69	-0.05	8.22	-0.07	10.08	-0.01	16.48	-1.07	9255	1	11247	3	13645	3	24093	-6
RL_13	Port Office Gauge	4.51	-0.08	5.69	-0.15	7.30	-0.11	12.74	-2.10	9294	1	11198	2	13609	3	24093	-6
RL_14	Brisbane City Gauge	4.44	-0.08	5.61	-0.14	7.20	-0.11	12.68	-2.00	9302	1	11204	2	13613	3	24102	-6
RL_15	Brisbane River at Hawthorne	2.89	0.04	3.47	0.11	4.45	0.15	8.12	-0.90	9396	2	11229	1	13659	3	24203	-6
RL_16	Brisbane River at Gateway Bridge	1.89	0.00	2.32	0.00	2.63	-0.04	4.29	-0.45	9507	1	11469	2	13825	3	24304	-6
RL_17	Warrill Creek at Amberley	29.08	0.76	29.48	0.88	29.83	1.07	33.35	1.66	2042	-6	2538	3	2818	-5	5435	18
RL_18	Purga Creek at Loamside	28.66	0.00	28.79	0.02	28.89	0.00	33.19	1.49	1077	0	1193	2	1260	1	1893	6
RL_19	Bremer River at Walloon	28.46	0.21	28.77	0.26	29.50	0.35	33.44	1.52	2867	-6	3357	-7	4004	-6	7070	-3
RL_20	Bremer River at Three Mile Bridge	26.26	-0.08	27.42	-0.07	28.27	0.00	33.50	1.85	2487	-2	2791	-4	3469	-3	7839	19
RL_21	Bremer River at One Mille Bridge	24.40	-0.11	26.29	-0.09	27.29	-0.01	32.80	1.65	3934	-2	4844	-2	5698	-1	8954	-5
RL_22	Bremer River at David Trumpy Bridge	20.09	-0.04	21.77	-0.08	23.44	0.02	31.75	2.78	3741	-2	4763	-1	5583	-1	8752	-6
RL_23	Bremer River at Hancock Bridge	22.03	-0.08	23.87	-0.09	24.91	0.05	31.86	2.71	3805	-2	4811	-2	5623	-1	8798	-6
RL_24	Bremer River at Bundamba Confluence	18.74	-0.03	20.72	-0.11	23.22	0.20	31.70	2.75	3581	-1	4500	-1	5425	0	8647	-6
RL_25	Bremer River at Warrego Highway	18.68	-0.03	20.68	-0.11	23.22	0.20	31.70	2.75	3410	0	4237	-1	5265	0	8621	-5
RL_26	Bundamba Creek at Hanlon St Alert	18.73	-0.03	20.71	-0.11	23.22	0.20	31.70	2.75	3572	-1	4499	-1	5410	-1	8637	-6
RL_27	Woogaroo Creek at Brisbane Road Alert	16.41	-0.09	18.63	-0.08	21.12	0.13	30.00	2.37	9842	0	11860	2	14603	2	25118	-10
RL_28	Oxley Creek at Rocklea	9.55	-0.10	11.32	0.04	13.35	0.22	20.76	0.43	792	2	-759	-5	-964	-195	-1961	-42

^ Future Floodplain 1 (FF1) applies fill to nominated floodplain within BCC and ICC administrative areas

Addendum Table 4 - Climate Change Sensitivity Scenario 1 (CC1^)
Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	5	dh	20	dh	100	dh	10,000	dh	5	dQ (%)	20	dQ (%)	100	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	56.81	0.00	60.77	0.00	60.98	0.00	61.50	0.00	566	<0.1	1936	<0.1	4269	<0.1	15021	<0.1
RL_02	Wivenhoe Dam Tailwater	33.00	0.00	38.89	0.00	48.40	0.00	55.29	0.00	706	<0.1	1557	<0.1	6923	<0.1	21779	<0.1
RL_03	Lockyer Creek at Lyons Bridge	60.06	0.00	63.89	0.00	64.31	0.00	65.07	0.00	568	<0.1	1874	<0.1	4173	<0.1	14928	<0.1
RL_04	Brisbane River at Lowood Pump Station	31.03	0.00	36.27	0.00	45.32	0.00	54.54	0.00	1040	<0.1	2780	<0.1	9759	<0.1	29327	<0.1
RL_05	Brisbane River at Savages Crossing	26.93	0.00	32.07	0.00	41.67	0.00	53.44	0.00	1075	<0.1	2843	<0.1	9276	<0.1	27706	<0.1
RL_06	Brisbane River Upstream Mt Crosby Weir	10.59	0.00	15.65	0.01	25.11	0.00	37.93	0.00	1075	<0.1	3008	<0.1	8648	<0.1	26840	<0.1
RL_07	Brisbane River downstream Mt Crosby Weir	9.12	0.01	14.91	0.01	24.77	0.00	37.44	0.00	1071	<0.1	3012	<0.1	8666	<0.1	26810	<0.1
RL_08	Brisbane River at Moggill	4.31	0.19	9.98	0.06	18.19	0.01	28.78	0.00	1886	2	4342	<0.1	9946	<0.1	28438	<0.1
RL_09	Brisbane River at Jindalee	2.38	0.19	5.76	0.08	12.37	0.04	22.97	0.00	1956	1	4491	0	9490	0	27236	<0.1
RL_10	Brisbane River at Tennyson	2.16	0.30	3.99	0.15	9.41	0.06	20.33	0.01	2173	2	4774	1	9186	0	25840	<0.1
RL_11	Brisbane River at Fairfield	2.10	0.28	3.65	0.17	8.26	0.07	19.47	0.01	2222	2	4800	1	9155	0	25798	<0.1
RL_12	Brisbane River at Toowong	2.06	0.30	3.18	0.06	6.84	0.10	17.55	0.01	2273	2	4838	2	9168	0	25755	<0.1
RL_13	Port Office Gauge	1.99	0.29	2.54	0.24	4.72	0.13	14.86	0.01	2348	1	4853	2	9206	0	25695	<0.1
RL_14	Brisbane City Gauge	1.98	0.29	2.49	0.26	4.66	0.13	14.70	0.01	2349	1	4854	1	9213	0	25703	<0.1
RL_15	Brisbane River at Hawthorne	1.94	0.30	2.17	0.28	3.03	0.19	9.03	0.01	2481	1	4931	0	9295	1	25733	<0.1
RL_16	Brisbane River at Gateway Bridge	1.93	0.30	2.04	0.30	2.19	0.30	4.78	0.03	2874	1	5246	0	9396	<0.1	25869	0
RL_17	Warrill Creek at Amberley	26.15	0.00	27.46	0.00	28.31	0.00	31.69	0.00	599	<0.1	1105	<0.1	2166	<0.1	4610	<0.1
RL_18	Purga Creek at Loamside	27.09	0.00	27.77	0.00	28.65	0.00	31.71	0.00	300	<0.1	544	<0.1	1076	<0.1	1781	<0.1
RL_19	Bremer River at Walloon	25.29	0.00	27.22	0.00	28.25	0.00	31.91	0.00	727	<0.1	1734	<0.1	3064	<0.1	7256	<0.1
RL_20	Bremer River at Three Mile Bridge	20.18	0.00	23.46	0.00	26.33	0.00	31.65	0.00	698	<0.1	1368	<0.1	2537	<0.1	6576	<0.1
RL_21	Bremer River at One Mille Bridge	16.87	0.00	20.65	0.00	24.51	0.00	31.16	0.00	1319	<0.1	2351	<0.1	4010	<0.1	9420	<0.1
RL_22	Bremer River at David Trumpy Bridge	11.78	0.01	16.09	0.01	20.14	0.01	28.97	0.00	1274	<0.1	2273	<0.1	3802	<0.1	9302	<0.1
RL_23	Bremer River at Hancock Bridge	13.77	0.01	18.02	0.00	22.12	0.00	29.15	0.00	1301	<0.1	2315	0	3875	<0.1	9367	<0.1
RL_24	Bremer River at Bundamba Confluence	8.28	0.04	13.20	0.02	18.78	0.01	28.95	0.00	1257	0	2228	<0.1	3626	<0.1	9151	<0.1
RL_25	Bremer River at Warrego Highway	7.02	0.05	12.08	0.02	18.73	0.01	28.95	0.00	1253	<0.1	2212	<0.1	3403	<0.1	9118	<0.1
RL_26	Bundamba Creek at Hanlon St Alert	8.28	0.05	13.20	0.02	18.77	0.01	28.95	0.00	1249	0	2212	<0.1	3618	<0.1	9141	<0.1
RL_27	Woogaroo Creek at Brisbane Road Alert	3.37	0.21	8.47	0.07	16.52	0.02	27.64	0.00	1931	4	4336	0	9797	<0.1	27858	<0.1
RL_28	Oxley Creek at Rocklea	2.81	0.27	5.52	0.03	9.70	0.05	20.34	0.01	239	3	604	0	784	1	-3346	0

^ Climate Change Scenario 1 (CC1) incorporates a 0.3m sea level rise

Addendum Table 5 - Climate Change Sensitivity Scenario 2 (CC2^)
Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	5	dh	20	dh	100	dh	10,000	dh	5	dQ (%)	20	dQ (%)	100	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	57.90	1.09	60.85	0.08	61.01	0.02	61.61	0.10	718	27	2252	16	5053	18	16987	13
RL_02	Wivenhoe Dam Tailwater	34.27	1.27	40.60	1.72	49.87	1.47	56.21	0.92	890	26	2008	29	9550	38	22985	6
RL_03	Lockyer Creek at Lyons Bridge	61.10	1.04	64.01	0.12	64.36	0.05	65.24	0.17	720	27	2147	15	4966	19	16882	13
RL_04	Brisbane River at Lowood Pump Station	32.02	0.98	37.65	1.38	47.27	1.95	55.58	1.04	1359	31	3460	24	13296	36	32059	9
RL_05	Brisbane River at Savages Crossing	27.94	1.00	33.59	1.52	44.44	2.77	54.49	1.05	1391	29	3532	24	12137	31	30422	10
RL_06	Brisbane River Upstream Mt Crosby Weir	11.48	0.90	17.10	1.46	27.98	2.86	39.07	1.14	1397	30	3672	22	10957	27	29530	10
RL_07	Brisbane River downstream Mt Crosby Weir	10.33	1.21	16.60	1.70	27.59	2.82	38.59	1.15	1392	30	3685	22	10965	26	29503	10
RL_08	Brisbane River at Moggill	5.02	0.90	11.39	1.46	20.37	2.20	29.83	1.05	2142	16	5091	17	12067	21	32390	14
RL_09	Brisbane River at Jindalee	2.65	0.46	6.80	1.12	14.18	1.84	24.11	1.14	2260	17	5089	14	11374	20	30508	12
RL_10	Brisbane River at Tennyson	2.20	0.33	4.67	0.84	11.00	1.64	21.67	1.35	2438	15	5324	12	10973	19	29291	13
RL_11	Brisbane River at Fairfield	2.13	0.31	4.19	0.70	9.80	1.61	20.91	1.45	2477	14	5360	13	10925	19	29254	14
RL_12	Brisbane River at Toowong	2.07	0.31	3.56	0.44	8.28	1.54	18.98	1.43	2516	13	5401	13	10884	19	29219	14
RL_13	Port Office Gauge	2.00	0.31	2.75	0.46	5.86	1.27	16.59	1.75	2572	11	5444	14	10801	18	29184	14
RL_14	Brisbane City Gauge	2.00	0.31	2.69	0.46	5.77	1.25	16.40	1.72	2576	11	5452	14	10811	18	29190	14
RL_15	Brisbane River at Hawthorne	1.95	0.30	2.24	0.35	3.47	0.62	10.09	1.07	2705	10	5568	13	10895	18	29175	14
RL_16	Brisbane River at Gateway Bridge	1.93	0.30	2.05	0.30	2.28	0.39	5.35	0.60	3044	7	5890	13	11092	18	29285	13
RL_17	Warrill Creek at Amberley	26.46	0.31	27.69	0.23	28.47	0.16	32.43	0.74	680	14	1284	16	2438	13	5007	9
RL_18	Purga Creek at Loamside	27.25	0.16	27.91	0.14	28.79	0.14	32.45	0.74	344	15	614	13	1186	10	1899	7
RL_19	Bremer River at Walloon	25.68	0.38	27.48	0.25	28.48	0.23	32.62	0.70	836	15	1979	14	3428	12	8008	10
RL_20	Bremer River at Three Mile Bridge	20.90	0.73	24.11	0.64	26.87	0.53	32.40	0.75	803	15	1556	14	2862	13	7316	11
RL_21	Bremer River at One Mille Bridge	17.78	0.90	21.51	0.86	25.37	0.86	31.96	0.81	1498	14	2604	11	4513	13	10452	11
RL_22	Bremer River at David Trumpy Bridge	12.73	0.96	16.85	0.76	21.04	0.90	30.02	1.06	1444	13	2512	11	4267	12	10321	11
RL_23	Bremer River at Hancock Bridge	14.61	0.85	18.87	0.85	22.99	0.88	30.23	1.09	1475	13	2554	10	4357	13	10391	11
RL_24	Bremer River at Bundamba Confluence	9.19	0.94	13.88	0.69	20.77	2.00	29.98	1.03	1404	12	2462	11	4046	12	10167	11
RL_25	Bremer River at Warrego Highway	7.88	0.91	12.92	0.87	20.76	2.04	29.98	1.03	1391	11	2436	10	3824	12	10143	11
RL_26	Bundamba Creek at Hanlon St Alert	9.17	0.94	13.86	0.68	20.77	2.01	29.98	1.03	1404	13	2450	11	4038	12	10155	11
RL_27	Woogaroo Creek at Brisbane Road Alert	3.90	0.74	9.68	1.28	18.76	2.26	28.78	1.14	2174	17	5079	18	11818	21	31554	13
RL_28	Oxley Creek at Rocklea	3.08	0.55	5.87	0.38	11.24	1.59	21.68	1.35	302	30	646	7	904	16	-4033	20

^ Climate Change Scenario 2 (CC2) incorporates a 0.3m sea level rise and a 10% increase in rainfall

Addendum Table 6 - Climate Change Sensitivity Scenario 3 (CC3^)
Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	5	dh	20	dh	100	dh	10,000	dh	5	dQ (%)	20	dQ (%)	100	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	56.81	0.00	60.77	0.00	60.98	0.00	61.50	0.00	566	<0.1	1936	<0.1	4269	<0.1	15021	<0.1
RL_02	Wivenhoe Dam Tailwater	33.00	0.00	38.89	0.00	48.40	0.00	55.29	0.00	708	0	1556	<0.1	6922	<0.1	21779	<0.1
RL_03	Lockyer Creek at Lyons Bridge	60.06	0.00	63.89	0.00	64.31	0.00	65.07	0.00	568	<0.1	1875	<0.1	4173	<0.1	14928	<0.1
RL_04	Brisbane River at Lowood Pump Station	31.03	0.00	36.27	0.00	45.32	0.00	54.54	0.00	1040	<0.1	2781	<0.1	9759	<0.1	29326	<0.1
RL_05	Brisbane River at Savages Crossing	26.93	0.00	32.07	0.00	41.67	0.00	53.44	0.00	1075	<0.1	2843	<0.1	9284	<0.1	27705	<0.1
RL_06	Brisbane River Upstream Mt Crosby Weir	10.59	0.00	15.67	0.03	25.12	0.00	37.90	-0.02	1074	<0.1	3011	<0.1	8646	<0.1	26829	<0.1
RL_07	Brisbane River downstream Mt Crosby Weir	9.14	0.02	14.94	0.04	24.78	0.01	37.44	0.00	1070	<0.1	3015	<0.1	8664	<0.1	26809	<0.1
RL_08	Brisbane River at Moggill	4.46	0.34	10.03	0.10	18.20	0.03	28.78	0.01	1875	2	4355	0	9935	0	28439	<0.1
RL_09	Brisbane River at Jindalee	2.87	0.67	6.00	0.32	12.45	0.11	22.98	0.01	2005	4	4505	1	9514	0	27240	<0.1
RL_10	Brisbane River at Tennyson	2.65	0.79	4.25	0.41	9.50	0.14	20.34	0.02	2205	4	4819	2	9200	<0.1	25863	0
RL_11	Brisbane River at Fairfield	2.58	0.77	3.91	0.43	8.35	0.16	19.49	0.02	2252	4	4839	2	9210	0	25813	0
RL_12	Brisbane River at Toowong	2.54	0.78	3.49	0.37	7.00	0.26	17.57	0.02	2313	4	4872	2	9214	1	25765	<0.1
RL_13	Port Office Gauge	2.47	0.78	2.94	0.65	4.99	0.39	14.88	0.03	2402	4	4901	3	9257	1	25722	0
RL_14	Brisbane City Gauge	2.47	0.78	2.90	0.67	4.92	0.40	14.72	0.03	2407	4	4904	3	9263	1	25731	0
RL_15	Brisbane River at Hawthorne	2.43	0.79	2.62	0.73	3.34	0.50	9.05	0.03	2579	5	4978	1	9313	1	25756	0
RL_16	Brisbane River at Gateway Bridge	2.42	0.79	2.54	0.80	2.69	0.80	4.86	0.11	2993	6	5329	2	9559	2	25911	0
RL_17	Warrill Creek at Amberley	26.15	0.00	27.46	0.00	28.31	0.00	31.69	0.00	599	<0.1	1105	<0.1	2166	<0.1	4610	<0.1
RL_18	Purga Creek at Loamside	27.09	0.00	27.77	0.00	28.65	0.00	31.71	0.00	300	<0.1	544	<0.1	1076	<0.1	1781	<0.1
RL_19	Bremer River at Walloon	25.29	0.00	27.22	0.00	28.25	0.00	31.91	0.00	727	<0.1	1733	<0.1	3064	<0.1	7256	<0.1
RL_20	Bremer River at Three Mile Bridge	20.18	0.00	23.47	0.00	26.33	0.00	31.65	0.00	698	<0.1	1368	<0.1	2537	<0.1	6576	<0.1
RL_21	Bremer River at One Mille Bridge	16.88	0.01	20.65	0.01	24.51	0.01	31.16	0.00	1319	<0.1	2351	<0.1	4010	<0.1	9421	<0.1
RL_22	Bremer River at David Trumpy Bridge	11.81	0.04	16.11	0.02	20.15	0.02	28.97	0.01	1276	0	2275	0	3803	<0.1	9303	<0.1
RL_23	Bremer River at Hancock Bridge	13.79	0.02	18.04	0.02	22.12	0.01	29.15	0.01	1301	<0.1	2313	0	3875	<0.1	9368	<0.1
RL_24	Bremer River at Bundamba Confluence	8.39	0.14	13.24	0.05	18.80	0.03	28.95	0.00	1253	0	2225	<0.1	3623	0	9151	<0.1
RL_25	Bremer River at Warrego Highway	7.12	0.15	12.16	0.11	18.75	0.04	28.95	0.00	1246	-1	2215	<0.1	3405	<0.1	9118	<0.1
RL_26	Bundamba Creek at Hanlon St Alert	8.36	0.13	13.23	0.05	18.79	0.03	28.95	0.01	1247	<0.1	2210	0	3614	0	9142	<0.1
RL_27	Woogaroo Creek at Brisbane Road Alert	3.63	0.46	8.60	0.20	16.56	0.05	27.64	0.01	1898	3	4341	1	9799	<0.1	27860	<0.1
RL_28	Oxley Creek at Rocklea	3.10	0.56	5.55	0.06	9.80	0.15	20.35	0.02	254	9	594	-2	790	2	-3318	-1

^ Climate Change Scenario 3 (CC3) incorporates a 0.8m sea level rise

Addendum Table 7 - Climate Change Sensitivity Scenario 4 (CC4^)
Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	5	dh	20	dh	100	dh	10,000	dh	5	dQ (%)	20	dQ (%)	100	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	59.05	2.24	60.91	0.14	61.03	0.05	61.71	0.21	902	59	2708	40	5842	37	18972	26
RL_02	Wivenhoe Dam Tailwater	35.46	2.46	42.20	3.32	50.34	1.95	57.05	1.76	1082	53	2503	61	10333	49	24632	13
RL_03	Lockyer Creek at Lyons Bridge	62.17	2.11	64.13	0.24	64.40	0.10	65.40	0.33	877	55	2599	39	5761	38	18848	26
RL_04	Brisbane River at Lowood Pump Station	33.21	2.18	39.08	2.81	48.19	2.87	56.50	1.96	1661	60	4233	52	15066	54	34422	17
RL_05	Brisbane River at Savages Crossing	28.86	1.93	35.14	3.07	46.14	4.47	55.43	1.99	1692	57	4290	51	13913	50	32806	18
RL_06	Brisbane River Upstream Mt Crosby Weir	12.35	1.76	18.51	2.87	30.24	5.12	39.96	2.03	1707	59	4408	47	12791	48	31898	19
RL_07	Brisbane River downstream Mt Crosby Weir	11.15	2.03	18.05	3.15	29.86	5.09	39.47	2.02	1701	59	4426	47	12812	48	31860	19
RL_08	Brisbane River at Moggill	5.78	1.66	12.78	2.85	22.11	3.94	30.72	1.95	2441	32	5854	35	13993	41	35620	25
RL_09	Brisbane River at Jindalee	3.38	1.19	7.96	2.28	15.66	3.32	25.08	2.12	2552	32	5807	30	13285	40	33738	24
RL_10	Brisbane River at Tennyson	2.72	0.86	5.55	1.71	12.59	3.24	22.76	2.44	2774	31	6036	27	12730	38	32371	25
RL_11	Brisbane River at Fairfield	2.64	0.83	5.02	1.53	11.33	3.14	22.06	2.59	2808	29	6086	28	12690	38	32354	26
RL_12	Brisbane River at Toowong	2.59	0.83	4.32	1.20	9.73	2.99	20.10	2.56	2857	28	6100	28	12644	38	32323	26
RL_13	Port Office Gauge	2.51	0.82	3.34	1.05	7.17	2.58	17.91	3.06	2923	26	6136	28	12561	37	32290	26
RL_14	Brisbane City Gauge	2.51	0.82	3.28	1.05	7.07	2.54	17.70	3.01	2926	26	6139	28	12567	37	32299	26
RL_15	Brisbane River at Hawthorne	2.45	0.80	2.74	0.85	4.30	1.46	10.95	1.93	3090	26	6220	27	12632	37	32286	26
RL_16	Brisbane River at Gateway Bridge	2.42	0.79	2.55	0.80	2.80	0.91	5.81	1.06	3440	21	6529	25	12868	37	32423	26
RL_17	Warrill Creek at Amberley	26.74	0.59	27.86	0.41	28.61	0.30	33.16	1.47	775	29	1463	32	2686	24	5434	18
RL_18	Purga Creek at Loamside	27.42	0.33	28.04	0.28	28.93	0.27	33.17	1.46	398	33	687	26	1294	20	2003	12
RL_19	Bremer River at Walloon	26.00	0.70	27.69	0.47	28.72	0.47	33.31	1.40	943	30	2235	29	3797	24	8666	19
RL_20	Bremer River at Three Mile Bridge	21.54	1.36	24.70	1.23	27.35	1.01	33.13	1.48	898	29	1754	28	3191	26	8011	22
RL_21	Bremer River at One Mille Bridge	18.46	1.59	22.26	1.61	26.09	1.58	32.74	1.58	1686	28	2924	24	4991	24	11495	22
RL_22	Bremer River at David Trumpy Bridge	13.54	1.77	17.57	1.49	22.56	2.42	30.96	1.99	1686	32	2807	24	4707	24	11361	22
RL_23	Bremer River at Hancock Bridge	15.47	1.71	19.71	1.69	23.75	1.64	31.14	2.00	1648	27	2847	23	4823	25	11432	22
RL_24	Bremer River at Bundamba Confluence	10.06	1.82	14.68	1.49	22.46	3.70	30.91	1.96	1577	26	2727	22	4485	24	11196	22
RL_25	Bremer River at Warrego Highway	8.74	1.77	13.89	1.83	22.46	3.74	30.90	1.96	1563	25	2658	20	4212	24	11179	23
RL_26	Bundamba Creek at Hanlon St Alert	10.05	1.82	14.65	1.47	22.46	3.71	30.91	1.96	1575	26	2712	23	4478	24	11180	22
RL_27	Woogaroo Creek at Brisbane Road Alert	4.75	1.58	11.08	2.67	20.47	3.97	29.69	2.05	2456	33	5786	34	13636	39	34825	25
RL_28	Oxley Creek at Rocklea	3.70	1.16	6.41	0.92	12.69	3.04	22.77	2.44	337	45	689	14	995	28	-4517	35

^ Climate Change Scenario 4 (CC4) incorporates a 0.8m sea level rise and a 20% increase in rainfall

Addendum Table 8 - Bed Level Sensitivity Scenario 1 (BL1^)^ Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	5	dh	20	dh	100	dh	10,000	dh	5	dQ (%)	20	dQ (%)	100	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	56.81	0.00	60.77	0.00	60.98	0.00	61.50	0.00	566	<0.1	1936	<0.1	4270	<0.1	15021	<0.1
RL_02	Wivenhoe Dam Tailwater	33.00	0.00	38.88	0.00	48.40	0.00	55.29	-0.01	705	0	1556	<0.1	6922	<0.1	21779	<0.1
RL_03	Lockyer Creek at Lyons Bridge	60.06	0.00	63.89	0.00	64.31	0.00	65.07	0.00	568	<0.1	1874	<0.1	4173	<0.1	14928	<0.1
RL_04	Brisbane River at Lowood Pump Station	31.03	0.00	36.27	0.00	45.32	0.00	54.53	-0.01	1040	<0.1	2781	<0.1	9759	<0.1	29332	<0.1
RL_05	Brisbane River at Savages Crossing	26.93	-0.01	32.07	0.00	41.67	0.00	53.43	-0.01	1069	-1	2844	<0.1	9287	<0.1	27719	<0.1
RL_06	Brisbane River Upstream Mt Crosby Weir	10.58	0.00	15.48	-0.17	24.57	-0.55	37.64	-0.28	1074	<0.1	3002	0	8652	<0.1	26814	<0.1
RL_07	Brisbane River downstream Mt Crosby Weir	9.08	-0.04	14.62	-0.28	24.18	-0.59	37.20	-0.24	1070	<0.1	3005	0	8677	<0.1	26800	<0.1
RL_08	Brisbane River at Moggill	3.60	-0.53	8.85	-1.07	17.13	-1.04	28.23	-0.54	1869	1	4396	1	10112	2	28665	1
RL_09	Brisbane River at Jindalee	2.10	-0.09	5.01	-0.67	11.23	-1.11	22.15	-0.82	1999	3	4611	3	9773	3	27375	1
RL_10	Brisbane River at Tennyson	1.89	0.03	3.38	-0.46	8.09	-1.26	19.22	-1.10	2227	5	4988	5	9523	4	25737	0
RL_11	Brisbane River at Fairfield	1.84	0.02	3.07	-0.42	7.03	-1.16	18.21	-1.26	2282	5	5003	5	9493	3	25684	0
RL_12	Brisbane River at Toowong	1.79	0.03	2.69	-0.43	5.77	-0.97	16.23	-1.32	2310	3	5000	5	9469	4	25655	0
RL_13	Port Office Gauge	1.71	0.02	2.13	-0.16	3.92	-0.67	13.05	-1.80	2425	5	5044	6	9572	4	25617	0
RL_14	Brisbane City Gauge	1.71	0.02	2.08	-0.15	3.85	-0.68	12.92	-1.76	2432	5	5049	6	9581	4	25625	0
RL_15	Brisbane River at Hawthorne	1.65	0.01	1.83	-0.06	2.56	-0.29	7.89	-1.14	2606	6	5132	5	9660	4	25679	0
RL_16	Brisbane River at Gateway Bridge	1.64	0.00	1.76	0.01	1.89	0.00	3.92	-0.83	3002	6	5473	5	9792	4	25872	0
RL_17	Warrill Creek at Amberley	26.15	0.00	27.46	0.00	28.31	0.00	31.62	-0.06	599	<0.1	1105	<0.1	2166	<0.1	4614	<0.1
RL_18	Purga Creek at Loamside	27.09	0.00	27.77	0.00	28.65	0.00	31.65	-0.06	300	<0.1	544	<0.1	1076	<0.1	1781	<0.1
RL_19	Bremer River at Walloon	25.29	0.00	27.22	0.00	28.25	0.00	31.86	-0.05	727	<0.1	1733	<0.1	3064	<0.1	7277	0
RL_20	Bremer River at Three Mile Bridge	20.18	0.00	23.46	0.00	26.33	0.00	31.58	-0.06	698	<0.1	1368	<0.1	2537	<0.1	6594	0
RL_21	Bremer River at One Mille Bridge	16.87	0.00	20.64	-0.01	24.49	-0.01	31.06	-0.09	1319	<0.1	2352	<0.1	4012	<0.1	9472	1
RL_22	Bremer River at David Trumpy Bridge	11.75	-0.01	16.03	-0.06	19.84	-0.29	28.44	-0.52	1278	0	2274	0	3803	<0.1	9360	1
RL_23	Bremer River at Hancock Bridge	13.75	-0.02	17.99	-0.03	21.94	-0.17	28.78	-0.36	1303	<0.1	2320	0	3872	<0.1	9418	1
RL_24	Bremer River at Bundamba Confluence	8.18	-0.06	12.92	-0.26	17.92	-0.84	28.42	-0.53	1258	0	2236	0	3667	1	9205	1
RL_25	Bremer River at Warrego Highway	6.76	-0.21	11.68	-0.38	17.81	-0.90	28.42	-0.53	1256	0	2225	1	3473	2	9161	1
RL_26	Bundamba Creek at Hanlon St Alert	8.16	-0.07	12.92	-0.26	17.91	-0.85	28.42	-0.53	1251	0	2219	0	3654	1	9196	1
RL_27	Woogaroo Creek at Brisbane Road Alert	2.79	-0.37	7.44	-0.96	15.30	-1.20	26.96	-0.67	1939	5	4404	2	10022	2	27999	1
RL_28	Oxley Creek at Rocklea	2.54	0.00	5.43	-0.06	8.43	-1.23	19.23	-1.10	232	0	607	1	794	2	-2930	-13

^ Bed Level Scenario 1 (BL1) lowers the bed level to achieve a 20% increase in conveyance

Addendum Table 9 - Bed Level Sensitivity Scenario 2 (BL2^)^ Peak Levels and Flows

		Peak Flood Level (mAHD)								Peak Flood Flow (m ³ /s)							
		AEP (1 in....) and difference in peak level from Base Case (m)								AEP (1 in....) and difference in peak flow (%) from Base Case (m ³ /s)							
ID	Reporting Location	5	dh	20	dh	100	dh	10,000	dh	5	dQ (%)	20	dQ (%)	100	dQ (%)	10,000	dQ (%)
RL_01	Lockyer Creek at Tarampa	56.81	0.00	60.77	0.00	60.98	0.00	61.50	0.00	566	<0.1	1936	<0.1	4270	<0.1	15021	<0.1
RL_02	Wivenhoe Dam Tailwater	33.00	0.00	38.89	0.00	48.40	0.00	55.30	0.01	705	0	1558	0	6923	<0.1	21779	<0.1
RL_03	Lockyer Creek at Lyons Bridge	60.06	0.00	63.89	0.00	64.31	0.00	65.07	0.00	568	<0.1	1874	<0.1	4174	<0.1	14929	<0.1
RL_04	Brisbane River at Lowood Pump Station	31.03	0.00	36.27	0.00	45.32	0.00	54.55	0.01	1041	<0.1	2781	<0.1	9759	<0.1	29321	<0.1
RL_05	Brisbane River at Savages Crossing	26.93	0.00	32.07	0.00	41.68	0.01	53.46	0.02	1075	<0.1	2841	<0.1	9269	0	27691	<0.1
RL_06	Brisbane River Upstream Mt Crosby Weir	10.60	0.02	16.07	0.43	25.72	0.60	38.20	0.27	1075	<0.1	3005	0	8551	-1	26783	0
RL_07	Brisbane River downstream Mt Crosby Weir	9.27	0.15	15.52	0.62	25.42	0.65	37.74	0.29	1072	<0.1	3012	<0.1	8573	-1	26752	0
RL_08	Brisbane River at Moggill	4.93	0.81	11.08	1.16	19.31	1.13	29.34	0.57	1835	-1	4263	-2	9756	-2	28183	-1
RL_09	Brisbane River at Jindalee	2.47	0.28	6.63	0.95	13.53	1.19	23.77	0.80	1905	-1	4319	-4	9240	-3	27127	0
RL_10	Brisbane River at Tennyson	1.89	0.03	4.50	0.66	10.53	1.17	21.38	1.06	2063	-3	4464	-6	9029	-2	25904	0
RL_11	Brisbane River at Fairfield	1.82	0.00	3.99	0.50	9.35	1.16	20.68	1.21	2095	-4	4471	-6	9007	-2	25870	0
RL_12	Brisbane River at Toowong	1.76	0.00	3.43	0.31	7.91	1.17	18.83	1.28	2124	-5	4497	-6	9006	-2	25836	0
RL_13	Port Office Gauge	1.70	0.01	2.59	0.29	5.62	1.03	16.59	1.74	2181	-6	4543	-5	9008	-2	25798	0
RL_14	Brisbane City Gauge	1.70	0.01	2.52	0.29	5.54	1.02	16.40	1.71	2185	-6	4549	-5	9014	-2	25804	0
RL_15	Brisbane River at Hawthorne	1.65	0.01	2.01	0.12	3.43	0.59	10.27	1.25	2278	-7	4638	-6	9048	-2	25810	0
RL_16	Brisbane River at Gateway Bridge	1.62	-0.01	1.74	0.00	2.07	0.18	5.61	0.86	2603	-8	4917	-6	9156	-3	25935	0
RL_17	Warrill Creek at Amberley	26.15	0.00	27.46	0.00	28.32	0.00	31.78	0.09	599	<0.1	1105	<0.1	2166	<0.1	4601	0
RL_18	Purga Creek at Loamside	27.09	0.00	27.77	0.00	28.65	0.00	31.80	0.09	300	<0.1	544	<0.1	1076	<0.1	1781	<0.1
RL_19	Bremer River at Walloon	25.29	0.00	27.22	0.00	28.25	0.00	31.99	0.08	727	<0.1	1734	<0.1	3064	<0.1	7233	0
RL_20	Bremer River at Three Mile Bridge	20.18	0.00	23.47	0.00	26.34	0.00	31.74	0.09	698	<0.1	1368	<0.1	2536	<0.1	6552	0
RL_21	Bremer River at One Mille Bridge	16.87	0.00	20.66	0.01	24.63	0.13	31.29	0.13	1318	<0.1	2349	<0.1	4008	<0.1	9374	-1
RL_22	Bremer River at David Trumpy Bridge	11.79	0.02	16.24	0.16	20.64	0.50	29.52	0.55	1273	0	2274	0	3795	0	9257	-1
RL_23	Bremer River at Hancock Bridge	13.77	0.01	18.06	0.04	22.34	0.23	29.56	0.42	1301	<0.1	2306	-1	3872	<0.1	9316	-1
RL_24	Bremer River at Bundamba Confluence	8.55	0.30	13.60	0.42	19.81	1.05	29.50	0.56	1242	-1	2203	-1	3573	-2	9124	0
RL_25	Bremer River at Warrego Highway	7.35	0.38	12.72	0.66	19.79	1.07	29.50	0.56	1232	-2	2198	-1	3350	-2	9120	<0.1
RL_26	Bundamba Creek at Hanlon St Alert	8.52	0.29	13.59	0.41	19.81	1.05	29.50	0.56	1236	-1	2193	-1	3566	-2	9112	0
RL_27	Woogaroo Creek at Brisbane Road Alert	3.80	0.63	9.45	1.05	17.73	1.23	28.32	0.69	1843	-1	4243	-2	9543	-3	27739	0
RL_28	Oxley Creek at Rocklea	2.59	0.05	5.54	0.05	10.78	1.12	21.39	1.06	234	1	588	-3	791	2	-3761	12

^ Bed Level Scenario 2 (BL2) raises the bed level to achieve a 20% reduction in conveyance

Addendum Table 10 - No Dams Scenario (CND^)[^] Peak Levels and Flows

		Peak Flood Level (mAHD) for 'No Dams' and difference in level (m) from 'With Dams' [#]										Peak Flood Flow (m³/s) for 'No Dams' and difference in flow from 'With Dams' [#]									
ID	Reporting Location	1974	dh**	1996	dh [#]	1999	dh [#]	2011	dh [#]	2013	dh [#]	1974	dQ [#]	1996	dQ [#]	1999	dQ [#]	2011	dQ [#]	2013	dQ [#]
RL_01	Lockyer Creek at Tarampa	60.96	0.00	60.78	0.00	54.99	-0.01	61.02	0.00	60.87	0.00	3,549	<0.1	2,192	<0.1	371	<0.1	4,010	<0.1	2,302	<0.1
RL_02	Wivenhoe Dam Tailwater	49.67	-2.94	41.22	-3.74	48.83	-12.46	49.69	-0.80	46.48	-9.59	9,603	-45	2,794	-96	10,109	-82	9,932	-25	5,648	-68
RL_03	Lockyer Creek at Lyons Bridge	64.26	0.00	63.91	0.00	58.33	0.00	64.39	0.00	64.05	0.00	3,434	<0.1	2,103	<0.1	373	<0.1	3,894	<0.1	2,195	<0.1
RL_04	Brisbane River at Lowood Pump Station	47.20	-3.76	38.07	-2.92	45.53	-11.92	47.39	-1.30	42.95	-8.39	12,230	-37	3,696	-36	9,969	-81	12,189	-11	7,604	-71
RL_05	Brisbane River at Savages Crossing	44.51	-4.73	34.22	-3.40	42.01	-12.57	44.92	-2.27	39.15	-9.12	11,863	-37	3,750	-36	9,544	-80	12,060	-16	7,116	-70
RL_06	Brisbane River Upstream Mt Crosby Weir	28.82	-5.30	17.99	-3.32	24.72	-11.73	29.36	-3.47	21.92	-8.17	11,336	-36	4,159	-38	8,943	-79	11,809	-20	6,524	-68
RL_07	Brisbane River downstream Mt Crosby Weir	28.43	-5.30	17.41	-3.74	24.24	-12.61	28.97	-3.49	21.49	-8.84	11,368	-36	4,178	-38	8,964	-79	11,834	-20	6,533	-68
RL_08	Brisbane River at Moggill	21.34	-4.09	11.79	-3.33	16.19	-11.28	21.54	-3.19	15.21	-7.12	12,608	-29	5,160	-31	8,351	-74	12,909	-19	7,787	-54
RL_09	Brisbane River at Jindalee	14.97	-3.47	7.35	-2.83	10.31	-8.06	15.16	-2.92	9.59	-5.29	12,269	-29	5,544	-32	7,939	-73	12,468	-22	7,275	-52
RL_10	Brisbane River at Tennyson	11.84	-3.52	5.07	-2.01	7.11	-5.38	12.13	-3.04	6.46	-3.47	11,954	-28	5,827	-32	7,533	-70	12,075	-25	6,991	-49
RL_11	Brisbane River at Fairfield	10.53	-3.32	4.46	-1.73	6.22	-4.57	10.85	-2.90	5.66	-2.88	11,925	-28	5,879	-32	7,541	-70	12,067	-25	6,984	-48
RL_12	Brisbane River at Toowong	8.88	-2.99	3.71	-1.33	5.10	-3.55	9.26	-2.63	4.65	-2.09	11,936	-28	5,927	-32	7,576	-69	12,063	-25	6,986	-47
RL_13	Port Office Gauge	6.36	-2.41	2.78	-0.83	3.36	-1.90	6.55	-2.07	3.20	-0.94	11,952	-28	5,928	-30	7,536	-68	12,059	-26	6,988	-46
RL_14	Brisbane City Gauge	6.27	-2.38	2.71	-0.79	3.29	-1.83	6.47	-2.02	3.14	-0.90	11,959	-28	5,926	-30	7,542	-68	12,067	-26	6,987	-46
RL_15	Brisbane River at Hawthorne	3.66	-1.25	2.03	-0.38	2.07	-0.66	3.78	-1.05	2.18	-0.08	12,040	-27	6,028	-29	7,576	-67	12,088	-26	7,016	-44
RL_16	Brisbane River at Gateway Bridge	1.88	-0.24	1.53	-0.11	1.35	0.02	1.97	-0.25	1.97	0.00	12,166	-27	6,504	-28	7,658	-64	12,077	-24	7,182	-41
RL_17	Warrill Creek at Amberley	28.56	-0.20	25.28	-0.05	23.71	-0.10	27.28	-0.48	28.12	-0.65	2,440	-20	424	-5	197	-5	936	-20	1,951	-43
RL_18	Purga Creek at Loamside	28.12	0.00	27.00	0.00	25.32	0.00	26.46	0.00	26.03	0.00	760	1	279	<0.1	68	<0.1	170	<0.1	114	<0.1
RL_19	Bremer River at Walloon	28.05	-0.10	26.32	0.00	24.16	0.00	27.76	-0.01	26.54	0.00	2,329	-0	1,088	<0.1	460	<0.1	2,276	<0.1	1,220	<0.1
RL_20	Bremer River at Three Mile Bridge	27.03	-0.35	21.47	-0.01	17.51	0.00	24.52	-0.53	23.42	-1.80	2,031	2	1,025	<0.1	468	<0.1	1,808	1	1,109	0
RL_21	Bremer River at One Mille Bridge	25.83	-0.71	18.51	-0.04	16.48	-2.52	22.99	-1.35	20.78	-2.11	4,484	-8	1,620	-0	673	<0.1	2,406	2	2,322	-27
RL_22	Bremer River at David Trumpy Bridge	21.82	-1.55	14.24	-0.39	16.41	-8.58	21.95	-2.79	16.82	-2.72	4,371	-7	1,616	0	664	1	2,215	4	2,245	-25
RL_23	Bremer River at Hancock Bridge	23.47	-0.90	15.84	-0.16	16.42	-6.38	22.13	-2.34	18.27	-2.33	4,438	-8	1,629	0	678	-0	2,310	3	2,283	-26
RL_24	Bremer River at Bundamba Confluence	21.71	-3.88	12.43	-1.66	16.40	-11.08	21.88	-3.03	15.92	-4.72	4,161	-3	1,578	4	603	13	1,889	2	2,060	-19
RL_25	Bremer River at Warrego Highway	21.71	-3.92	12.24	-2.71	16.40	-11.21	21.88	-3.05	15.80	-5.68	3,998	-1	1,578	7	864	-21	1,670	-9	1,777	-6
RL_26	Bundamba Creek at Hanlon St Alert	21.71	-3.89	12.42	-1.68	16.40	-11.07	21.88	-3.04	15.91	-4.73	4,152	-3	1,569	3	600	13	1,896	3	2,063	-19
RL_27	Woogaroo Creek at Brisbane Road Alert	19.65	-4.14	10.22	-3.18	14.34	-10.32	19.85	-3.26	13.32	-6.72	12,398	-28	5,165	-30	8,167	-74	12,684	-20	7,566	-54
RL_28	Oxley Creek at Rocklea	12.02	-3.40	5.37	-1.49	7.42	-5.67	12.27	-2.90	6.77	-3.00	1,050	-35	353	5	460	-81	-1,163	-31	-424	-176

[^] No Dams Scenario (CND) is aplyied to the 5 calibration events and removes the influence of 6 key dams including Wivenhoe and Somerset Dams

* Note that Wivenhoe was reinstated for the 1974 with dams event

[#] Difference in Level or Flow (dh (m) or dQ (%)) is the 'With Dams' Level (or Flow) minus the 'No Dams' Level (or Flow). For example, a no dams level of 6.0m and a dh of -2m indicates that the presence of dams is predicted to lower the peak flood level by 2m to a depth of 4m

Addendum Table 11 – Structure Blockage Consideration

ID	Description	River Crossing	Opening Width / Width between Piers (m)	Commentary*	Recommendation to consider in future blockage assessment?	
					Blockage Below Obvert	Blockage Above Deck
TMR_037	Warrego Hwy	Bremer River	30 - 37	Overtopped frequently, blockage below and above deck (handrail) requires consideration. <i>ICC: No record but bridge opening is quite large. TMR post flood records?</i>	Yes	Yes
ICC_058	Hancock Bridge	Bremer River	18.3	Overtopped frequently, blockage below and above deck (handrail) requires consideration. <i>ICC: Bridge went under in 1974 so immunity is not high, estimated 20yr ARI. Increased potential for blockage in larger events.</i>	Yes	Yes
QR_025	Trainline near Riverlink Shopping	Bremer River	45.57	Overtops in very large events. Truss structure above deck will require blockage consideration. Opening width precludes debris blockage. <i>ICC: No known record. But very large opening. Expect low potential</i>	No	Yes
QR_103	Dixon St	Bremer River	46.5	Overtops in very large events. Truss structure above deck will require blockage consideration. Opening width precludes debris blockage. At Dixon St end of bridge the opening widths reduce significantly which may require consideration. <i>ICC: No known record but reasonable opening size . QR may have records perhaps?</i>	Yes	Yes
TMR_043	David Trumpy Bridge	Bremer River	40.8 - 50.3	Overtops in large events, Opening width precludes debris blockage. Handrail above deck will require blockage consideration. <i>ICC: No known record of notable blockage. Was above water in 1974, likely 1893 as well. Large waterway opening so likelihood of blockage is low</i>	No	Yes
ICC_057	One Mile Bridge	Bremer River	29.7 - 30	Overtops frequently, may require blockage consideration below deck although unlikely. Concrete barrier above deck so therefore no further blockage required. <i>ICC: New bridge (Don Livingstone One Mile) has no records but it has low immunity (likely no more than 20r ARI if at all). The Old Mile Bridge(s) over Bremer/Deebing are of a much lower immunity, possibly as low as 1-2yr ARI. Increased potential for blockage in the older bridges causing local impacts and for larger events on the new bridge.</i>	Yes	No
ICC_056	Three Mile Bridge	Bremer River	25	Overtops frequently, will require blockage consideration below deck. Concrete barrier rails so therefore no further blockage above deck <i>ICC: No known record of notable blockage. Large waterway opening but immunity understood to be low, no more than 20yr ARI at best.</i>	Yes	No
BCC_019	Green Bridge	Brisbane River	73 - 184.4	Deck is above extreme events and the opening width precludes debris blockage	No	No
BCC_021	Jack Pesch Bridge	Brisbane River	167.5	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage.	No	Yes
BCC_076	Kholo Rd Bridge	Brisbane River	12.7	Overtops frequently, blockage below and above deck requires consideration. <i>ICC: No record. New bridge in place I recall. BCC?</i>	Yes	Yes
QR_083	Albert Bridge	Brisbane River	104.2	Overtops in very large events. Truss structure above deck will require blockage consideration. Opening width precludes debris blockage below obvert.	No	Yes
BCC_077	Mt Crosby Weir	Brisbane River	7.6	Overtopped frequently, blockage below and above deck requires consideration.	Yes	Yes
SRC_073	Twin Bridges	Brisbane River	3	Overtopped frequently, blockage below deck requires consideration. No handrail at structure. <i>SRC: Frequent need to clean debris from culverts. Usually 100% of culvert blocked.</i>	Yes	No
SRC_074	Savages Crossing	Brisbane River	12.3 - 12.6	Overtops frequently, blockage below and above deck (handrail) requires consideration. <i>Frequent need to clean debris from structure. Usually 50% or less of waterway obstructed.</i>	Yes	Yes
SRC_075	Burtons Bridge	Brisbane River	14.3	Overtops frequently, blockage below and above deck (handrail) requires consideration. <i>Rarely obstructed in the substructure. Some blockage of the guard rails, up to 50%.</i>	Yes	Yes
BCC_006	Story Bridge	Brisbane River	82 - 281	Deck is above extreme events so therefore no blockage consideration required. Opening width precludes debris blockage.	No	No
BCC_008	Goodwill Bridge	Brisbane River	19.7 - 112	Overtops in very large events, handrail will require consideration. Shorter spans may require blockage consideration.	Yes	Yes
BCC_009	Victoria Bridge	Brisbane River	85.3 - 136	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage.	No	Yes
BCC_011	William Jolly Bridge	Brisbane River	72.5	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage.	No	Yes
TMR_001	Sir Leo Hielscher Bridges ¹	Brisbane River	584	Deck is above extreme events so therefore no	No	No

¹ The original Gateway Bridge was opened in 1986 as single bridge. The bridge was duplicated and the second bridge was opened in 2010. The pair were renamed the Sir Leo Hielscher Bridges at that time.

ID	Description	River Crossing	Opening Width / Width between Piers (m)	Commentary*	Recommendation to consider in future blockage assessment?	
					Blockage Below Obvert	Blockage Above Deck
				blockage consideration required. Opening width precludes debris blockage.		
TMR_038	Captain Cook Bridge	Brisbane River	73 - 183	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage below obvert.	No	Yes
TMR_050	Brisbane Valley Highway	Brisbane River	31	Overtops in large events, blockage below and above deck (handrail) requires consideration. <i>SRC: Rarely any obstruction.</i>	Yes	Yes
TMR_078	Colleges Crossing - Mt Crosby Rd	Brisbane River	14	Overtopped frequently, blockage below and above deck (handrail) requires consideration. <i>ICC: Very low immunity – naturally potential for blockage is higher</i>	Yes	Yes
BCC_020	Walter Taylor Bridge	Brisbane River	167.5	Overtops in very large events. Truss structure above deck will require blockage consideration. Opening width precludes debris blockage below obvert.	No	Yes
QR_087	Merivale St Bridge	Brisbane River	33.4 - 132.9	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage below obvert.	No	Yes
BCC_010	Kurilpa Bridge	Brisbane River	115	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage below obvert.	No	Yes
BCC_012	Go Between Bridge	Brisbane River	78.5 - 117	Overtops in very large events, handrail will require consideration. Opening width precludes debris blockage below obvert.	No	Yes
TMR_039	Centenary Hwy	Brisbane River	42.3 - 48.3	Overtops in large events, handrail will require consideration. Opening width precludes debris blockage below obvert.	No	Yes
QR_065	Brisbane Valley Rail Trail near Mahons Rd	Lockyer Ck	Approximately 6.1 - 30.5	Overtops in large events, blockage below and above deck (handrail) requires consideration. <i>SRC: Could find no record of clearing of obstructions.</i>	Yes	Yes
SRC_071	O'Reilly's Weir	Lockyer Ck	27.6	No blockage potential. <i>SRC: Seqwater maintain this structure.</i>	No	No
SRC_063	Lyons Bridge	Lockyer Ck	30	Overtops frequently, blockage below and above deck (handrail) requires consideration. <i>SRC: 30% obstructions common after large events.</i>	Yes	Yes
SRC_064	Watsons Bridge	Lockyer Ck	18	Overtops frequently, blockage below and above deck (handrail) requires consideration. <i>SRC: 30% obstructions common after large events.</i>	Yes	Yes
SRC_070	Pointings Bridge	Lockyer Ck	29.9 - 30	Overtops frequently, blockage below and above deck (handrail) requires consideration. <i>SRC: 30% obstructions common after large events.</i>	Yes	Yes
BCC_023	Pamphlet Bridge - Graceville Ave	Oxley Ck	16.7 - 21.3	Overtops in large events, blockage below and above deck (handrail) requires consideration.	Yes	Yes
TMR_048	Cunningham Highway	Warrill Ck	14	Overtops in very large events, blockage below and above deck (handrail) requires consideration. <i>ICC: No information available – state owned bridge. Being a bridge on a highway there is the expectation of a lower risk of blockage. This will however depend on the immunity of the bridge itself. TMR may have records post flood events for this structure perhaps.</i>	Yes	Yes
TMR_049	Cunningham Highway	Purga Ck	16	Overtops in large events, blockage below and above deck (handrail) requires consideration. <i>ICC: See above</i>	Yes	Yes

* Commentary includes both advice from BMT WBM and also feedback from agencies (provided in italics)
Note: A unique structure ID has been developed by BMT WBM for each structure. The ID reflects the owner of the structure, followed by a number unique to that owner. Owner abbreviations are: **BCC** – Brisbane City Council; **DPW** – Department of Housing and Public Works; **ICC** – Ipswich City Council; **QR** – Queensland Rail; **SEQw** – Seqwater; **SRC** – Somerset Regional Council; **TMR** – Department of Transport and Main Roads.