

Appendix S

FLASH FLOOD ANALYSIS

Settlement	Basin	Sub basin	Flood type		Local rain gauge assessment			Catchment rain gauge assessment						
			Riverine	Flash	Density (ALERT & TM only) (km2/gauge)	Minimum density (km2/gauge)	Additional gauges required (No.)	Catchment density				Gauge proximity		Total
								Density (ALERT & TM only) (km2/gauge)	Minimum density (km2/gauge)	Additional gauges required (No.)	Ratio existing : proposed gauges	Proximity assessment	Additional gauges required (No.)	Additional catchment gauges (No.)
ALLORA	Balonne-Condamine	Condamine River	No	Yes	131	20	6	102	250	0	1.0	1.5	1	1
AMBY	Balonne-Condamine	Maranoa River	Yes	Yes	0	20	5	Refer report Section 7 - Riverine FWN assessment						
BABINDA	Mulgrave-Russell	Russell River	No	Yes	54	20	6	96	250	0	1.0	0.8	0	0
BALD HILLS	Pine	South Pine River	No	Yes	12	20	0	22	250	0	1.0	0.6	0	0
BEAUDESERT	Logan-Albert	Logan River	Yes	Yes	24	20	3	Refer report Section 7 - Riverine FWN assessment						
BILOELA	Fitzroy	Dawson River	Yes	Yes	0	20	10	Refer report Section 7 - Riverine FWN assessment						
BOONAH	Logan-Albert	Logan River	Yes	Yes	32	20	4	Refer report Section 7 - Riverine FWN assessment						
BOWEN	Don	Don River	Yes	Yes	136	20	12	Refer report Section 7 - Riverine FWN assessment						
BRISBANE	Brisbane	Brisbane River	Yes	Yes	19	20	0	Refer report Section 7 - Riverine FWN assessment						
BUNDABERG	Burnett	Lower Burnett River	Yes	Yes	135	20	24	Refer report Section 7 - Riverine FWN assessment						
BURPENGARY	Pine	Caboolture River	No	Yes	19	20	0	17	575	0	1.0	0.1	0	0
CABOOLTURE	Pine	Caboolture River	No	Yes	19	20	0	16	575	0	1.0	0.1	0	0
CAIRNS	Mulgrave-Russell	Mulgrave River	No	Yes	44	20	5	146	250	0	1.0	1.0	1	1
CAMBOOYA	Balonne-Condamine	Condamine River	No	Yes	149	20	7	136	575	0	1.0	0.4	0	0
CANUNGRA	Logan-Albert	Albert River	No	Yes	56	20	6	52	250	0	1.0	0.6	0	0
CARDOWAN	Fitzroy	Isaac River	Yes	Yes	0	20	5	Refer report Section 7 - Riverine FWN assessment						
CLIFTON	Balonne-Condamine	Condamine River	No	Yes	0	20	7	0	575	2	0.0	1.1	0	2
CLONCURRY	Flinders	Cloncurry River	Yes	Yes	86	20	7	Refer report Section 7 - Riverine FWN assessment						
COOLUM BEACH	Noosa	Maroochy River	No	Yes	36	20	4	22	900	0	1.0	0.1	0	0
COOYAR	Brisbane	Brisbane River	No	Yes	0	20	9	0	250	1	0.0	1.8	0	1
CORDELIA	Herbert	Herbert River	Yes	Yes	108	20	5	Refer report Section 7 - Riverine FWN assessment						
DAYBORO	Pine	North Pine River	No	Yes	26	20	3	28	250	0	1.0	0.6	0	0
DYSART	Fitzroy	Isaac River	No	Yes	147	20	7	588	575	1	0.5	4.9	0	1
EMU VALE	Balonne-Condamine	Condamine River	No	Yes	32	20	2	40	250	0	1.0	1.3	1	1
ESK	Brisbane	Brisbane River	No	Yes	0	20	9	190	575	0	1.0	0.5	0	0
FERNVALE	Brisbane	Brisbane River	Yes	Yes	35	20	4	Refer report Section 7 - Riverine FWN assessment						
FINCH HATTON	Pioneer	Pioneer River	No	Yes	114	20	5	39	250	0	1.0	1.0	1	1
FOREST HILL	Brisbane	Lockyer Creek	Yes	Yes	26	20	3	Refer report Section 7 - Riverine FWN assessment						
GATTON	Brisbane	Lockyer Creek	Yes	Yes	61	20	9	Refer report Section 7 - Riverine FWN assessment						
GOLD COAST	South Coast	Coomera & Nerang Rivers	No	Yes	32	20	16	25	250	0	1.0	1.8	3	3
GOOMERI	Burnett	Barker & Barambah Creeks	No	Yes	0	20	6	0	575	1	0.0	2.0	0	1
GOOVIGEN	Fitzroy	Dawson River	Yes	Yes	88	20	4	Refer report Section 7 - Riverine FWN assessment						
GORDONVALE	Mulgrave-Russell	Mulgrave River	Yes	Yes	43	20	6	Refer report Section 7 - Riverine FWN assessment						
GRANTHAM	Brisbane	Lockyer Creek	Yes	Yes	51	20	5	Refer report Section 7 - Riverine FWN assessment						
GUTHALUNGRA	Don	Don River	No	Yes	82	20	4	287	575	0	1.0	2.2	1	1
HARRISVILLE	Brisbane	Bremer River	Yes	Yes	25	20	2	Refer report Section 7 - Riverine FWN assessment						
HELIDON	Brisbane	Lockyer Creek	No	Yes	40	20	4	46	575	0	1.0	0.3	0	0
HOWARD	Burrum	Burrum River	Yes	Yes	68	20	8	Refer report Section 7 - Riverine FWN assessment						
HUGHENDEN	Flinders	Flinders River	Yes	Yes	181	20	9	Refer report Section 7 - Riverine FWN assessment						
IMBIL	Mary	Upper Mary River	Yes	Yes	88	20	7	Refer report Section 7 - Riverine FWN assessment						
INGHAM	Herbert	Herbert River	Yes	Yes	47	20	6	Refer report Section 7 - Riverine FWN assessment						
INJUNE	Fitzroy	Dawson River	No	Yes	124	20	6	362	575	0	1.0	2.0	1	1
INNISFAIL	Johnstone	North Johnstone River	Yes	Yes	26	20	3	Refer report Section 7 - Riverine FWN assessment						
IPSWICH	Brisbane	Bremer River	Yes	Yes	18	20	0	Refer report Section 7 - Riverine FWN assessment						
JAMBIN	Fitzroy	Dawson River	Yes	Yes	0	20	5	Refer report Section 7 - Riverine FWN assessment						
JANDOWAE	Balonne-Condamine	Condamine River	No	Yes	68	20	5	125	575	0	1.0	1.2	1	1
JERICO	Cooper Creek	Barcoo River	Yes	Yes	0	20	6	Refer report Section 7 - Riverine FWN assessment						
JONDARYAN	Balonne-Condamine	Condamine River	Yes	Yes	0	20	7	Refer report Section 7 - Riverine FWN assessment						

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								Density (ALERT & TM only) (km2/gauge)	Minimum density (km2/gauge)	Additional gauges required (No.)	Ratio existing : proposed gauges	Proximity assessment	Additional gauges required (No.)	Additional catchment gauges (No.)
KAMERUNGA	Barron	Barron River	Yes	Yes	33	20	3	Refer report Section 7 - Riverine FWN assessment						
KANDANGA	Mary	Upper Mary River	Yes	Yes	77	20	6	Refer report Section 7 - Riverine FWN assessment						
KILCOY	Brisbane	Stanley River	No	Yes	70	20	6	108	250	0	1.0	2.8	1	1
KILKIVAN	Mary	Lower Mary River	No	Yes	0	20	9	0	250	2	0.0	6.1	0	2
KILLARNEY	Balonne-Condamine	Condamine River	No	Yes	170	20	8	27	250	0	1.0	0.8	0	0
KINGAROY	Burnett	Boyne & Auburn Rivers	No	Yes	301	20	15	506	575	0	1.0	1.1	1	1
LAIDLEY	Brisbane	Lockyer Creek	No	Yes	26	20	3	32	250	0	1.0	0.6	0	0
LEYBURN	Balonne-Condamine	Condamine River	No	Yes	69	20	5	69	575	0	1.0	0.3	0	0
LINVILLE	Brisbane	Brisbane River	Yes	Yes	47	20	3	Refer report Section 7 - Riverine FWN assessment						
LOGAN CENTRAL	Logan-Albert	Logan River	Yes	Yes	15	20	0	Refer report Section 7 - Riverine FWN assessment						
LONGREACH	Cooper Creek	Thomson River	Yes	Yes	84	20	7	Refer report Section 7 - Riverine FWN assessment						
MACKAY	Pioneer	Pioneer River	Yes	Yes	31	20	4	Refer report Section 7 - Riverine FWN assessment						
MACKNADE	Herbert	Herbert River	Yes	Yes	111	20	5	Refer report Section 7 - Riverine FWN assessment						
MAREEBA	Barron	Barron River	Yes	Yes	102	20	13	Refer report Section 7 - Riverine FWN assessment						
MAROOCHYDORE	Maroochy	Maroochy River	No	Yes	20	20	1	19	575	0	1.0	0.2	0	0
MORANBAH	Fitzroy	Isaac River	Yes	Yes	0	20	10	Refer report Section 7 - Riverine FWN assessment						
MOUNT ISA	Leichhardt	Leichhardt River	No	Yes	253	20	12	668	575	1	0.5	1.6	0	1
MUCKADILLA	Balonne-Condamine	Balonne River	No	Yes	0	20	5	0	575	1	0.0	3.4	0	1
MUDGEERABA	South Coast	Coomera & Nerang Rivers	No	Yes	16	20	0	17	250	0	1.0	0.3	0	0
MULGOWIE	Brisbane	Lockyer Creek	No	Yes	92	20	4	42	250	0	1.0	0.6	0	0
MUNGALLALA	Balonne-Condamine	Wallam Creeks	No	Yes	0	20	6	0	575	1	0.0	4.0	0	1
NAMBOUR	Maroochy	Maroochy River	No	Yes	11	20	0	18	575	0	1.0	0.1	0	0
NANANGO	Burnett	Barker & Barambah Creeks	Yes	Yes	0	20	13	Refer report Section 7 - Riverine FWN assessment						
NEBO	Fitzroy	Isaac River	No	Yes	147	20	7	282	250	1	0.5	5.5	0	1
NERANG	South Coast	Coomera & Nerang Rivers	Yes	Yes	21	20	1	Refer report Section 7 - Riverine FWN assessment						
NOBBY	Balonne-Condamine	Condamine River	No	Yes	0	20	6	0	575	1	0.0	0.1	0	1
OAKEY	Balonne-Condamine	Condamine River	No	Yes	44	20	5	130	575	0	1.0	0.7	0	0
PACIFIC HAVEN	Burrum	Burrum River	No	Yes	62	20	7	196	575	0	1.0	1.1	2	2
PEACHESTER	Brisbane	Stanley River	No	Yes	34	20	5	61	575	0	1.0	0.2	0	0
PEAK CROSSING	Brisbane	Bremer River	No	Yes	24	20	1	79	575	0	1.0	0.4	0	0
ROMA	Balonne-Condamine	Balonne River	Yes	Yes	152	20	14	Refer report Section 7 - Riverine FWN assessment						
RUBYVALE	Fitzroy	Nogoa River	No	Yes	43	20	4	21	575	0	1.0	0.2	0	0
SAMFORD	Pine	South Pine River	No	Yes	21	20	1	27	575	0	1.0	0.2	0	0
STANTHORPE	Border Rivers	Dumaresq River	No	Yes	28	20	4	41	575	0	1.0	0.7	0	0
STRATHPINE	Pine	North Pine River	No	Yes	10	20	0	22	250	0	1.0	0.5	0	0
TAMBO	Cooper Creek	Barcoo River	No	Yes	52	20	4	327	575	0	1.0	4.9	1	1
TOOGOOLAWAH	Brisbane	Brisbane River	Yes	Yes	119	20	5	Refer report Section 7 - Riverine FWN assessment						
TOOWOOMBA	Balonne-Condamine	Condamine River	No	Yes	123	20	31	83	575	0	1.0	0.5	0	0
TOWNSVILLE	Ross	Bohle River	Yes	Yes	20	20	1	33	575	0	1.0	0.7	0	0
WALLUMBILLA	Balonne-Condamine	Balonne River	No	Yes	0	20	6	0	575	1	0.0	2.0	0	1
WARWICK	Balonne-Condamine	Condamine River	Yes	Yes	66	20	12	Refer report Section 7 - Riverine FWN assessment						
WINTON	Diamantina	Diamantina River	Yes	Yes	125	20	6	Refer report Section 7 - Riverine FWN assessment						
WITHCOTT	Brisbane	Lockyer Creek	No	Yes	181	20	9	40	575	0	1.0	0.2	0	0
WOOLOOGA	Mary	Lower Mary River	No	Yes	109	20	5	0	250	3	0.0	6.1	0	3
WOWAN	Fitzroy	Dawson River	No	Yes	49	20	3	37	575	0	1.0	0.3	0	0
YULEBA	Balonne-Condamine	Balonne River	No	Yes	0	20	6	0	575	2	0.0	5.3	0	2